# The Flora and Fauna of Virginia Army National Guard OMS No. 1 and No. 2 near Sandston, Henrico County, Virginia

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## INTRODUCTION

In 2000, the Virginia Department of Military Affairs contracted with the Virginia Department of Conservation and Recreation's Division of Natural Heritage (DCR-DNH) to conduct a biological inventory of plant and animal species on the lands included in Virginia Army National Guard (VA ARNG) installations Organizational Maintenance Shop (OMS) No. 1 and No. 2, located near Sandston, Virginia. The intent of the project was to provide VA ARNG with species lists of plants and animals found on the installations so as to document the presence, distribution, and status of significant elements of biodiversity. A major focus of the study was inventory for rare species listed under the federal Endangered Species Act of 1973, as amended, the Virginia Endangered Species Act, the Virginia Endangered Plant and Insect Act, and rare plant and animal lists maintained by DCR-DNH (Roble, 2001; Townsend, 2001). The practical goal of the inventory was to assist facility personnel in decisions concerning land use and management in the event that rare, threatened, or endangered species or significant natural communities were encountered.

# STUDY AREA

OMS No. 1 and No. 2 are located about 3 km SE of the town of Sandston in Henrico County, Virginia, and about 12 km ESE of Richmond. The property consists of 21.4 contiguous ha that are bordered by the Richmond International Airport to the west and by forested habitats to the north, south, and east. Other land uses in the area include low to high-density suburban development and agriculture.

The headwaters of White Oak Swamp (a creek) are located to the north of the property; this creek is a tributary of the Chickahominy River in the James River watershed. Two northeast-trending intermittent branches of White Oak Swamp cross the property. These streams and the small headwater seeps that feed them create a mosaic of forested upland and forested wetland habitats. Two vernal pools are located along these drainages. Elevations on the property range from 41 to 47 m.

The property is located within Virginia's Inner Coastal Plain physiographic province just east of the Fall Line. This province is characterized by poorly consolidated sediments eroded from highlands to the west and deeply underlain by the crystalline rocks characteristically exposed to the west in the Piedmont physiographic province. One major soil association is found on the property, Kempsville-Atlee-Duplin, which is characterized by deep, well-drained and moderately well-drained soils that have a dominantly sandy clay loam or clay subsoil (Clay, 1975). The climate of Henrico County is classified as humid subtropical, with warm to hot summers and mild winters and an average annual precipitation of 112 cm (Clay, 1975).

OMS No. 1 and No. 2 are active VA ARNG facilities used for training and light vehicle maintenance. U.S. government records indicate that the property has been owned by the U.S. Army and utilized by VA ARNG since the 1940s. Land use prior to this time is unknown (Shea & Smith, 1996).

Natural habitats within the survey area have been severely altered from pre-European settlement times, including hydrologic alterations in the form of stream channelization and ditching. Buildings and parking areas are confined to two areas on the southern and western perimeter of the property, and several roads, both paved and dirt, traverse the area. A perimeter fence surrounds the entire property, and a narrow strip along the inside of the fence is kept open by mowing. Other disturbed habitats include lawns, an infrequently-

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mowed field, and an open utility right-of-way with both upland and saturated wetland habitats.

OMS No. 1 and No. 2 lie within Braun's (1950) Oak-Pine region, which includes Virginia's southern Piedmont and the Inner Coastal Plain north of the James River. This region is generally considered a transition zone where pines characteristic of the southeastern United States become more common in oak-dominated forests east of the Appalachians. Two of Virginia's natural community types as described by Fleming et al. (2001) have been identified on the property: Mixed Oak/Heath Forest and Coastal Plain/Piedmont Acidic Seepage Swamp.

Mixed Oak/Heath Forests are oak-dominated forests of infertile uplands with submesic to xeric moisture regimes and soils that are highly acidic (nutrient poor). The presence of thick duff layers and inflammable shrubs makes this community susceptible to frequent fires and, subsequently, favors the recruitment of oaks. At OMS No. 1 and No. 2, these upland oak species are Quercus alba (white oak), Q. coccinea (scarlet oak), Q. falcata (southern red oak), Q. rubra (northern red oak), Q velutina (black oak), and Q. stellata (post oak). Pines are also important canopy associates; at OMS No. 1 and No. 2 Pinus taeda (loblolly pine) and P. virginiana (Virginia pine) are prevalent. Hickories are usually unimportant, and no hickory species were observed during the inventory. Acer rubrum (red maple) and Nyssa sylvatica (blackgum) are prevalent in the understory, and dense colonies of heath-family plants dominate the shrub layers. At OMS No. 1 and No. 2, abundant upland ericads include Vaccinium pallidum (early lowbush blueberry), V, stamineum (deerberry), V. fuscatum (hairy highbush blueberry), Gaylussacia baccata (black huckleberry), Rhododendron atlanticum (dwarf azalea). Herbaceous species are sparsely distributed (Fleming et al., 2001).

Coastal Plain/Piedmont Acidic Seepage Swamps are oligotrophic (nutrient-poor) wetlands cloaked in deciduous or mixed forests. They are found along stream headwaters and toe-slopes where groundwater is discharged as surface seepage and slowly drained away as stream flow. Drainage patterns are generally diffuse in these saturated wetlands and typically characterized by braided channels interspersed with Sphagnumcovered hummocks. Substrates are sandy or peaty (Fleming et al., 2001). At OMS No. 1 and No. 2, this community type is poorly developed and has been disturbed by forest clearing, stream channelization, and ditching. Canopy species there include Acer rubrum, Nyssa sylvatica, and Pinus taeda; small trees and shrubs include Magnolia virginiana (sweetbay), Clethra alnifolia (sweet pepperbush), Viburnum nudum (possum-haw), and Vaccinium formosum (swamp highbush blueberry). The herb layer is diverse and rich in sedge species, including *Carex lonchocarpa* (southern long sedge), *C. seorsa* (weak stellate sedge), and *C. scoparia* (pointed broom sedge).

## **METHODS**

#### Botanical

Botanical fieldwork was conducted by author AB and consisted of seven site visits between April and October 2001. A list was compiled of all plant taxa encountered at OMS No.1 and No. 2. Species that could not be identified in the field were collected and identified later using standard floras for the area, including Fernald (1950), Radford et al. (1968), and Gleason & Cronquist (1991). A draft flora in progress, (Weakley 2000), was consulted for more recent treatments. Plant specimens that represented new county records as determined by Harvill et al. (1992) and updated information provided by one of its authors (G.P. Fleming) were pressed, labeled, and deposited at the herbarium of Virginia Polytechnic Institute and State University (VPI) in Blacksburg, Virginia.

Rare plant searches focused on Helonias bullata (swamp-pink) and Isotria medeoloides (small whorled pogonia). Both of these species are listed as federally threatened and state endangered. Helonias bullata is known to occur in the Coastal Plain/Piedmont Acidic Seepage Swamp natural community type, and a known population is located about 10 km ESE of OMS No. 1 and No. 2 (DCR-DNH, unpublished data). Isotria medeoloides occurs in infertile, mesic to submesic upland forests and appears to favor areas with sparse shrub and herb layers. Coastal Plain occurrences of this orchid in Virginia are known from Williamsburg City and the following counties: Caroline, Gloucester, James City, King William, and New Kent (Ware, 1991; DCR-DNH, unpublished data). The small size of the study area allowed for intensive searches for these two plants when appropriate habitats were encountered.

# Zoological

Zoological fieldwork was led by KLD and consisted of 30 site visits between April 2001 and April 2002. Inventory of animal species entailed a full complement of sampling techniques as follows:

1. <u>Baited pitfall traps</u> (PF) – Small 8 cm-diameter cups baited with rotting meat were buried with the rims at ground level and used for four days in June to attract carrion-feeding insects.

- 2. <u>Bird surveys</u> (BD) Birds were inventoried using visual and aural survey techniques during three early morning (0600 h -1000h) site visits during the breeding season (May and June). In addition, owls were inventoried using tape playback calls for two nights in February.
- 3. <u>Coverboards</u> (CB) Eight coverboards (ca. 0.6 x 1.2 m each) made of pressboard were placed in various locations at the onset of the inventory in May 2001 to assist in the survey of reptiles and amphibians. Boards were lifted during each subsequent site visit to determine the presence of targeted species.
- 4. <u>Dip nets</u> (DN) Aquatic invertebrates were sampled with D-ring dip nets on three site visits in June and July.
- 5. <u>Drift fences</u> (DF) Two drift fence arrays were established in May 2001 for the purpose of trapping reptiles, amphibians, small mammals, and invertebrates. Each array consisted of three 5 m lengths of aluminum flashing radiating out from a central pitfall trap made from a one-gallon can. Flashing was buried 10 cm into the ground in order to direct traveling animals towards pitfall traps that were installed at the end of each length. Pitfall traps were filled with equal parts antifreeze and 10% formalin to kill and preserve captures. A wire mesh was placed over pitfalls to discourage vertebrates from being caught, but was removed during nine trap nights of mammal trapping sessions (18-22 June, 13-16 August, 18-20 September).
- 6. Hand collection and visual/aural surveys (HV) Reptiles and amphibians, as well as some invertebrates, were searched for and collected by hand in terrestrial habitats (12 hours of effort), where various cover objects were overturned in search of cryptic species. Opportunistic surveys for birds, amphibians, and mammals utilized visual and aural identification techniques.
- 7. <u>Malaise trap</u> (MA) Flying insects were sampled with a Malaise trap set from mid-May to late August along an intermittent stream in the Coastal Plain/Piedmont Acidic Seepage Swamp community.
- 8. <u>Minnow traps</u> (MN) Standard wire-mesh minnow traps were used to sample a variety of aquatic animals. Traps were baited with chicken livers and set overnight in shallow water for a total of seven nights in June.
- 9. Mist netting (MT) Nocturnal bat surveys were conducted using 17 x 18 ft.  $(5.2 \times 5.5 \text{ m})$  mist nets

- placed across appropriate corridor and aquatic habitats. Nets were set up at dusk on two nights (14 August, 18 September) and checked regularly for 3-5 hours.
- 10. Sherman live traps (SH) Traps for small mammals were placed along the drift fences as well as in various natural habitats. Traps were baited with oats and peanut butter and left open for a total of nine trap nights (18-22 June, 13-16 August, 18-20 September).
- 11. <u>Sugaring</u> (SU) Some nocturnal insects that are not attracted to UV-light come to bait. The bait used was a mixture of fermented beer, fruit, and sugar, which was applied to tree trunks during the two mist netting sessions. Moths were collected with a kill-jar and non-lepidopterans were collected in alcohol.
- 12. Sweep nets (SW) Lepidopterans, odonates, tiger beetles, and other flying invertebrates were sampled opportunistically on most site visits to both terrestrial and aquatic habitats using sweep nets.
- 13. <u>UV-Light traps</u> (UV) Nocturnal lepidopterans and other invertebrates were captured using standard bucket traps equipped with a blacklight (= ultraviolet) powered by a 12-volt gel-cell battery with ethyl acetate used as a killing agent. Traps were run overnight in a variety of habitats for twelve trap nights during the May-October period. During the two mist netting sessions, a UV-light was used with a white sheet. Moths attracted to the sheet were collected in a kill-jar and non-lepidopterans were collected in alcohol.

All invertebrate specimens collected during the study were preserved using standard methods (Martin, 1977). All lepidopterans were mounted on pins, odonates were preserved with acetone and stored in glassine envelopes, and other insects were stored in 70% isopropyl alcohol. Frogs and toads were the only vertebrate specimens collected from the pitfall traps; specimens were transferred to 35% isopropyl alcohol. Most specimens have been or will be deposited in the Virginia Museum of Natural History; some specimens may be deposited in the National Museum of Natural History and the reference collection (primarily Lepidoptera and Odonata) of DCR-DNH.

#### RESULTS AND DISCUSSION

#### Botanical

A total of 325 vascular plant species and subspecific taxa was recorded for OMS No. 1 and No. 2 (Table 1). These taxa are contained within 189 genera

and 70 families. Four families, the Poaceae (55 taxa), Asteraceae (47 taxa), Cyperaceae (33 taxa), and Fabaceae (22 taxa) comprise 48.3% of the flora. *Carex* is by far the largest genus with 17 taxa. The 66 nonnative taxa represent 20.3% of the flora.

Included among the non-native taxa is a new Virginia state record, *Cerastium dubium* (doubtful mouse-ear chickweed). This weedy species has previously been reported in North America from Illinois, Ohio, Kentucky, Tennessee, Arkansas, Mississippi, Oregon, Washington, and Idaho (Kartesz, 1999; Chester & Wofford, 2000). It is native to western France and Sicily to central Russia (Shildneck & Jones, 1986). Thirteen new Henrico County records were collected (Table 1).

Neither Helonias bullata nor Isotria medeoloides was found during the survey. The Coastal Plain/Piedmont Acidic Seepage Swamp community at OMS No. 1 and No. 2 is small and poorly developed. There did not appear to be sufficient seepage to support Helonias. Uplands at the study site are mostly cloaked in a dense ericaceous shrub layer; thus, it is not surprising that Isotria was not found. No other rare, threatened, or endangered plant taxa were located during the inventory.

# Zoological

Sixty-eight species of vertebrates were identified at OMS No. 1 and No. 2 during the course of the inventory, including 9 amphibians, 8 reptiles, 3 fish, 42 birds, and 6 mammals (Table 2). Two groups that are not well represented in the results are salamanders and small mammals. No salamanders were discovered on the property despite extensive searches. The year of the survey was particularly dry, and this may account for the difficulty of locating salamanders on the surface. Small mammals are typically difficult to inventory and often require many trap nights for few captures. It is likely that other species of mice, voles, and shrews exist on the property, but only the white-footed mouse (*Peromyscus leucopus*) was captured.

Vertebrate species associated with aquatic habitats (fish, aquatic turtles, and frogs) were located exclusively in the semipermanently flooded habitats of a tributary to White Oak Swamp. All other vertebrates identified during the inventory were common throughout the study area, showing little habitat

specificity. No rare, threatened, or endangered species of vertebrates were expected from the survey area based on available habitats and regional patterns, and all vertebrate species identified in the inventory are considered common in the region. No new county records of vertebrates resulted from the inventory.

The majority of Lepidoptera and Odonata captured during the inventory have been identified, yielding 124 species of Lepidoptera, 16 of which were new county record butterflies and skippers (Opler et al., 1995), and 20 species of Odonata, including seven new county records (Carle, 1982; Table 2). Dragonfly species collected included *Libellula flavida* (yellow-sided skimmer), an uncommon species in Virginia (Carle, 1982). Numerous other invertebrates were collected but will not be identified in the near future due to funding and expertise constraints. No rare, threatened, or endangered species of invertebrates were identified during the inventory.

The method of inventory that yielded the greatest number of species was hand collection and visual surveys (i.e., opportunistic searching). Nevertheless, nine of the vertebrate species were captured with an intensive trapping method, such as the drift fence arrays, mist nets, or minnow traps, thus justifying continued use of labor- and material-intensive methods in comprehensive inventories.

#### ACKNOWLEDGMENTS

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Table 1. Flora of Virginia Army National Guard OMS No. 1 and No. 2 identified during DCR-DNH inventory, 2001. The list is arranged by major plant groups: Pteridophyta (ferns and fern allies), Gymnospermae (non-flowering seed plants), and Angiospermae (flowering plants). The Angiospermae are further divided into the Dicotyledoneae and Monocotyledoneae. Within each major group, families, genera, species, and subtaxa are arranged alphabetically. Nomenclature and common names follow Kartesz (1999) with the exception of Setaria pumila (Poir.) Roemer & J.A. Schultes ssp. pumila, where it appears that the Kartesz name, Pennisetum glaucum (L.) R. Br., is in error (A. Weakley, pers. comm.). Synonyms, shown following an equal sign (=), are provided for some taxa where Kartesz (1999) departs sharply from other familiar sources. Non-native taxa, as determined from a consensus of the standard regional floras, are preceded by an asterisk (\*). Dates are listed as month-day-year. The last column shows the Allen Belden Jr. collection number for specimens deposited at VPI to voucher new Henrico County plant records.

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
PTERIDOPHYTA			
BLECHNACEAE Woodwardia areolata (L.) T. Moore	Netted chain fern	04-25-01	
DENNSTAEDTIACEAE			
Dennstaedtia punctilobula (Michx.) T. Moore	Eastern hay-scented fern	10-03-01	
Pteridium aquilinum (L.) Kuhn	Northern bracken fern	04-25-01	
DRYOPTERIDACEAE			
Athyrium filix-femina (L.) Roth ssp.  asplenioides (Michx.) Hultén	Subarctic lady fern	05-23-01	
Onoclea sensibilis L.	Sensitive fern	05-23-01	
Polystichum acrostichoides (Michx.) Schott	Christmas fern	05-23-01	
LYCOPODIACEAE			
Lycopodium digitatum Dill, ex A. Braun	Fan ground-pine	05-23-01	
Lycopodium obscurum L.	Princess-pine	04-25-01	
OPHIOGLOSSACEAE			
Botrychium dissectum Spreng.	Cut-leaf grape fern	09-05-01	
OSMUNDACEAE			
Osmunda cinnamomea L.	Cinnamon fern	04-25-01	
Osmunda regalis L. var. spectabilis (Willd.) Gray	Royal fern	10-10-01	
THELYPTERIDACEAE			
Thelypteris noveboracensis (L.) Nieuwl.	New York fern	10-03-01	
GYMNOSPERMAE			
CUPRESSACEAE			
Iuniperus virginiana L.	Eastern red-cedar	04-19-01	
PINACEAE			
Pinus taeda L.	Loblolly pine	04-25-01	
Pinus virginiana P. Mill.	Virginia pine	04-25-01	
ANGIOSPERMAE: DICOTYLEDONEAE			
ACERACEAE			
Acer rubrum L.	Red maple	04-25-01	
ANACARDIACEAE			
Rhus copallinum L. var. latifolia Engl.	Winged sumac	05-23-01	
Toxicodendron radicans (L.) Kuntze	Eastern poison-ivy	04-25-01	
APIACEAE			
Daucus carota L.	Queen Anne's lace	07-03-01	

Trachelospermum difforme (Walt.) Gray  AQUIFOLIACEAE Ilex opaca Ait. Ilex verticillata (L.) Gray  ASCLEPIADACEAE Asclepias tuberosa L.  ASTERACEAE *Achillea millefolium L. Ambrosia artemisiifolia L, Arnica acaulis (Walt.) B.S.P. Bidens aristosa (Michx.) Britt.  = Bidens polylepis Blake Bidens bipinnata L. *Centaurea biebersteinii DC.  = Centaurea maculosa auct. non Lam. *Centaurea cyanus L. Conyza canadensis (L.) Cronq.  = Erigeron canadensis L. Coreopsis verticillata L. Elephantopus carolinianus Raeusch. Erechtites hieraciifolia (L.) Raf. ex DC. Erigeron annuus (L.) Pers. Erigeron strigosus Muhl. ex Willd. Eupatorium capillifolium (Lam.) Eupatorium hyssopifolium L. var. hyssopifolium Eupatorium perfoliatum L. Eupatorium perfoliatum L. Eupatorium pilosum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom  = Aster gracilis Nutt.	Indian-hemp Climbing-dogbane  American holly Common winterberry  Butterfly milkweed  Common yarrow Annual ragweed Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane Small dog-fennel	04-25-01 07-03-01 04-19-01 10-03-01 07-03-01 04-25-01 09-05-01 04-25-01 09-05-01 05-23-01 09-05-01 04-25-01 10-03-01	
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ASCLEPIADACEAE Asclepias tuberosa L.  ASTERACEAE *Achillea millefolium L. Ambrosia artemisiifolia L, Arnica acaulis (Walt.) B.S.P. Bidens aristosa (Michx.) Britt. = Bidens polylepis Blake Bidens bipinnata L. *Centaurea biebersteinii DC. = Centaurea maculosa auct. non Lam. *Centaurea cyanus L. Conyza canadensis (L.) Cronq. = Erigeron canadensis L. Coreopsis verticillata L. Elephantopus carolinianus Raeusch. Erechtites hieraciifolia (L.) Raf. ex DC. Erigeron annuus (L.) Pers. Erigeron strigosus Muhl. ex Willd. Eupatorium capillifolium (Lam.) Eupatorium hyssopifolium L. var. hyssopifolium Eupatorium perfoliatum L. Eupatorium perfoliatum L. Eupatorium proliatum L. Eupatorium pilosum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. = Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom = Aster gracilis Nutt.	Common winterberry  Butterfly milkweed  Common yarrow Annual ragweed Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	10-03-01 07-03-01 04-25-01 09-05-01 04-25-01 09-05-01 10-10-01 07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
ASCLEPIADACEAE  Asclepias tuberosa L.  ASTERACEAE  *Achillea millefolium L.  Ambrosia artemisiifolia L.  Arnica acaulis (Walt.) B.S.P.  Bidens aristosa (Michx.) Britt.  = Bidens polylepis Blake  Bidens bipinnata L.  *Centaurea biebersteinii DC.  = Centaurea maculosa auct. non Lam.  *Centaurea cyanus L.  Conyza canadensis (L.) Cronq.  = Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium perfoliatum L.  Eupatorium perfoliatum L.  Eupatorium proliasum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Butterfly milkweed  Common yarrow Annual ragweed Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	07-03-01  04-25-01 09-05-01 04-25-01 09-05-01  10-10-01 07-03-01  05-23-01 09-05-01  04-25-01 10-03-01	
Asteraceae *Achillea millefolium L. Ambrosia artemisiifolia L. Arnica acaulis (Walt.) B.S.P. Bidens aristosa (Michx.) Britt. = Bidens polylepis Blake Bidens bipinnata L. *Centaurea biebersteinii DC. = Centaurea maculosa auct. non Lam. *Centaurea cyanus L. Conyza canadensis (L.) Cronq. = Erigeron canadensis L. Coreopsis verticillata L. Elephantopus carolinianus Raeusch. Erechtites hieraciifolia (L.) Raf. ex DC. Erigeron annuus (L.) Pers. Erigeron strigosus Muhl. ex Willd. Eupatorium capillifolium (Lam.) Eupatorium hyssopifolium L. var. hyssopifolium Eupatorium perfoliatum L. Eupatorium perfoliatum L. Eupatorium posum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. = Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom = Aster gracilis Nutt.	Common yarrow Annual ragweed Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	04-25-01 09-05-01 04-25-01 09-05-01 10-10-01 07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
ASTERACEAE  *Achillea millefolium L. Ambrosia artemisiifolia L. Arnica acaulis (Walt.) B.S.P. Bidens aristosa (Michx.) Britt.  = Bidens polylepis Blake Bidens bipinnata L.  *Centaurea biebersteinii DC.  = Centaurea maculosa auct. non Lam.  *Centaurea cyanus L. Conyza canadensis (L.) Cronq.  = Erigeron canadensis L. Coreopsis verticillata L.  Elephantopus carolinianus Raeusch. Erechtites hieraciifolia (L.) Raf. ex DC. Erigeron annuus (L.) Pers. Erigeron strigosus Muhl. ex Willd. Eupatorium capillifolium (Lam.) Eupatorium hyssopifolium L. var. hyssopifolium Eupatorium hyssopifolium L. var. laciniatum Gray Eupatorium pilosum Walt. Eupatorium pilosum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom  = Aster gracilis Nutt.	Common yarrow Annual ragweed Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	04-25-01 09-05-01 04-25-01 09-05-01 10-10-01 07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
*Achillea millefolium L. Ambrosia artemisiifolia L. Arnica acaulis (Walt.) B.S.P. Bidens aristosa (Michx.) Britt. = Bidens polylepis Blake Bidens bipinnata L. *Centaurea biebersteinii DC. = Centaurea maculosa auct. non Lam. *Centaurea cyanus L. Conyza canadensis (L.) Cronq. = Erigeron canadensis L. Coreopsis verticillata L. Elephantopus carolinianus Raeusch. Erechtites hieraciifolia (L.) Raf. ex DC. Erigerou annuus (L.) Pers. Erigeron strigosus Muhl. ex Willd. Eupatorium capillifolium (Lam.) Eupatorium dubium Willd. ex Poir. Eupatorium hyssopifolium L. var. hyssopifolium Eupatorium perfoliatum L. Eupatorium perfoliatum L. Eupatorium pilosum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. = Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom = Aster gracilis Nutt.	Annual ragweed Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	09-05-01 04-25-01 09-05-01 10-10-01 07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
*Achillea millefolium L. Ambrosia artemisiifolia L. Arnica acaulis (Walt.) B.S.P. Bidens aristosa (Michx.) Britt. = Bidens polylepis Blake Bidens bipinnata L. *Centaurea biebersteinii DC. = Centaurea maculosa auct. non Lam. *Centaurea cyanus L. Conyza canadensis (L.) Cronq. = Erigeron canadensis L. Coreopsis verticillata L. Elephantopus carolinianus Raeusch. Erechtites hieraciifolia (L.) Raf. ex DC. Erigerou annuus (L.) Pers. Erigeron strigosus Muhl. ex Willd. Eupatorium capillifolium (Lam.) Eupatorium dubium Willd. ex Poir. Eupatorium hyssopifolium L. var. hyssopifolium Eupatorium perfoliatum L. Eupatorium perfoliatum L. Eupatorium pilosum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. = Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom = Aster gracilis Nutt.	Annual ragweed Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	09-05-01 04-25-01 09-05-01 10-10-01 07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
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Arnica acaulis (Walt.) B.S.P.  Bidens aristosa (Michx.) Britt.  = Bidens polylepis Blake  Bidens bipinnata L.  *Centaurea biebersteinii DC.  = Centaurea maculosa auct. non Lam.  *Centaurea cyanus L.  Conyza canadensis (L.) Cronq.  = Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigerou annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium perfoliatum L.  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Common leopardbane Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	04-25-01 09-05-01 10-10-01 07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
Bidens aristosa (Michx.) Britt.  = Bidens polylepis Blake Bidens bipinnata L.  *Centaurea biebersteinii DC.  = Centaurea maculosa auct. non Lam.  *Centaurea cyanus L.  Conyza canadensis (L.) Cronq.  = Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium perfoliatum L.  Eupatorium perfoliatum L.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Bearded beggarticks  Spanish-needles Spotted knapweed  Garden cornflower Canadian horseweed  Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	09-05-01 10-10-01 07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
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*Centaurea biebersteinii DC.  = Centaurea maculosa auct. non Lam.  *Centaurea cyanus L.  Conya canadensis (L.) Cronq.  = Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium perfoliatum L.  Eupatorium perfoliatum L.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Spotted knapweed  Garden cornflower  Canadian horseweed  Whorled tickseed  Carolina elephant's-foot  American burnweed  Eastern daisy fleabane  Prairie fleabane	07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
*Centaurea biebersteinii DC.  = Centaurea maculosa auct. non Lam.  *Centaurea cyanus L.  Conya canadensis (L.) Cronq.  = Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium perfoliatum L.  Eupatorium perfoliatum L.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Spotted knapweed  Garden cornflower  Canadian horseweed  Whorled tickseed  Carolina elephant's-foot  American burnweed  Eastern daisy fleabane  Prairie fleabane	07-03-01 05-23-01 09-05-01 04-25-01 10-03-01	
= Centaurea maculosa auct. non Lam.  *Centaurea cyanus L.  Conyza canadensis (L.) Cronq. = Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium perfoliatum L.  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. = Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom = Aster gracilis Nutt.	Garden cornflower Canadian horseweed Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	05-23-01 09-05-01 04-25-01 10-03-01	
*Centaurea cyanus L.  Conyza canadensis (L.) Cronq.  = Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium perfoliatum L.  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  = Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Canadian horseweed Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	09-05-01 04-25-01 10-03-01	
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= Erigeron canadensis L.  Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Whorled tickseed Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	04-25-01 10-03-01	
Coreopsis verticillata L.  Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	10-03-01	
Elephantopus carolinianus Raeusch.  Erechtites hieraciifolia (L.) Raf. ex DC.  Erigerou annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Carolina elephant's-foot American burnweed Eastern daisy fleabane Prairie fleabane	10-03-01	
Erechtites hieraciifolia (L.) Raf. ex DC.  Erigerou annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	American burnweed Eastern daisy fleabane Prairie fleabane		
Erigeron annuus (L.) Pers.  Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Eastern daisy fleabane Prairie fleabane		
Erigeron strigosus Muhl. ex Willd.  Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Prairie fleabane	09-05-01	
Eupatorium capillifolium (Lam.)  Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.		07-03-01	
Eupatorium dubium Willd. ex Poir.  Eupatorium hyssopifolium L. var. hyssopifolium  Eupatorium hyssopifolium L. var. laciniatum Gray  Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Small dog-fennel	07-03-01	
Eupatorium hyssopifolium L. var. hyssopifolium Eupatorium hyssopifolium L. var. laciniatum Gray Eupatorium perfoliatum L. Eupatorium pilosum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. =Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom = Aster gracilis Nutt.		04-25-01	
Eupatorium hyssopifolium L. var. laciniatum Gray Eupatorium perfoliatum L. Eupatorium pilosum Walt. Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. =Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom = Aster gracilis Nutt.	Coastal-Plain Joe-Pye-weed	07-03-01	
Eupatorium perfoliatum L.  Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var, ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Hyssop-leaf thoroughwort	10-10-01	
Eupatorium pilosum Walt.  Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr.  =Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Hyssop-leaf thoroughwort	07-03-01	
Eupatorium rotundifolium L. var. ovatum (Bigelow) Torr. = Eupatorium pubescens Muhl. ex Willd. Eurybia compacta Nesom = Aster gracilis Nutt.	Common boneset	05-23-01	
=Eupatorium pubescens Muhl. ex Willd.  Eurybia compacta Nesom  = Aster gracilis Nutt.	Rough boneset	07-03-01	
Eurybia compacta Nesom = Aster gracilis Nutt.	Round-leaf thoroughwort	05-23-01	
	Savannah wood-aster	09-05-01	
Euthamia caroliniana (L.) Greene ex Porter & Britt.			
= Solidaga tenuifolia Pursh	Slender goldentop	09-05-01	
Euthamia graminifolia (L.) Greene	Flat-top goldentop	09-05-01	
= Solidago graminifolia (L.) Salisb.  Gamochaeta purpurea (L.) Cabrera	Spoon-leaf purple everlasting	04-25-01	
= Gnaphalium purpureum L.	Spoon-lear purple everlasting	04-23-01	
Helenium flexuosum Raf.	Purple-head sneezeweed	07-03-01	
	Queendevil	09-05-01	
	Hairy cat's-ear	04-25-01	
	Virginia dwarf-dandelion	04-19-01	
	Florida blue lettuce	07-03-01	
	Oxy-eye daisy	04-25-01	
= Chrysanthemum leucanthemum L.			
	Climbing hempvine	05-23-01	
Packera anonyma (Wood) W.A. Weber & A. Löve = Senecio anonymus Wood	Small's groundsel	04-25-01	
·	Plowman's-wort	09-05-01	
Pseudognaphalium obtusifolium (L.) Hilliard & Burtt	Blunt-leaf rabbit-tobacco	09-05-01	
= Gnaphalium obtusifolium L.	0 1 1	0.000	
	Carolina desert-chicory	07-03-01	
Sericocarpus linifolius (L.) B.S.P. = Aster solidagineus Michx.	Narrow-leaf white-top-aster	07-03-01	
	Tall goldenrod	09-05-01	
	A MIL E CIUCIII CU	09-05-01	
Solidago puberula Nutt. var, pulverulenta	Gray goldenrod Small's goldenrod	07-03-01	

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
ASTERACEAE (continued)			
Solidago rugosa P. Mill.	Wrinkle-leaf goldenrod	09-05-01	
Symphyotrichum grandiflorum (L.) Nesom	Large-flower American-aster	10-10-01	
= Aster grandiflorus L. Symphyotrichum lanceolatum (Willd.) Nesom	White panicled American-aster	10-03-01	
= Aster lanceolatus Willd.			
Symphyotrichum lateriflorum (L.) A.& D. Löve = Aster lateriflorus (L.) Britt.	Farewell-summer	10-10-01	
Symphyotrichum pilosum (Willd.) Nesom = Aster pilosus Willd.	White oldfield American-aster	10-03-01	
*Taraxacum officinale G.H. Weber ex Wiggers	Common dandelion	04-19-01	
Vernonia noveboracensis (L.) Michx.	New York ironweed	10-03-01	
BETULACEAE			
Betula nigra L.	River birch	04-25-01	
BIGNONIACEAE			
Campsis radicans (L.) Seem. ex Bureau	Trumpet-creeper	04-25-01	
Campsis valicans (E.) Sceni. ex Bureau	Trumper-creeper	04-23-01	
BORAGINACEAE		64.05.64	
Myosotis verna Nutt.	Spring forget-me-not	04-25-01	
BRASSICACEAE			
*Arabidopsis thaliana (L.) Heynh.	Thalecress	04-25-01	
*Burbarea vulgaris Ait. f.	Garden yellow-rocket	04-19-01	
*Cardamine hirsuta L.	Hairy bittercress	04-25-01	
Draba brachycarpa Nutt, ex Torr. & Gray	Short-pod whitlow-grass	04-25-01	
Lepidium virginicum L.	Poorman's-pepperwort	04-25-01	
*Microthlaspi perfoliatum (L.) F.K. Mey. = Thlaspi perfoliatum L.	Pennycress	04-19-01	
*Teesdalia nudicaulis (L.) Ait. f.	Common shepherd's-cress	04-25-01	
*Thlaspi alliaceum L.	Roadside Pennycress	04-19-01	AB 1896
CAMPANULACEAE			
Lobelia inflata L.	Indian-tobacco	09-05-01	
Lobelia nuttallii J.A. Schultes	Nuttall's lobelia	07-03-01	
Triodanis perfoliata (L.) Nieuwl.	Clasping-leaf Venus'-looking-	05-23-01	
= Specularia perfoliata (L.) A. DC.	glass		
CAPRIFOLIACEAE			
*Lonicera japonica Thunb.	Japanese honeysuckle	04-19-01	
Sambucus nigra ssp. canadensis (L.) R. Bolli = Sambucus canadensis L.	Black elder	10-03-01	
Viburnum dentatum L.	Southern arrow-wood	05-23-01	
Viburnum nudum L.	Possumhaw	04-19-01	
CARYOPHYLLACEAE			
*Cerastium dubium (Bast.) Guépin	Doubtful mouse-ear chickweed	04-19-01	AB 1899 State record
*Scleranthus annuus L.	Annual knawel	04-25-01	
*Stellaria media (L.) Vill.	Common chickweed	04-19-01	
CISTACEAE			
Lechea minor L.	Thyme-leaf pinweed	09-05-01	
CLETHRACEAE			
Clethra alnifolia L.	Coastal sweet-pepperbush	04-19-01	
CLUSIACEAE.			
Hypericum canadense L.	Lesser Canadian St. John's-wort	07-03-01	
Hypericum gentianoides (L.) B.S.P.	Orange-grass	04-25-01	
Hypericum hypericoides (L.) Crantz ssp. hypericoides	St. Andrew's-cross	05-23-01	
Hypericum hypericoides (L.) Crantz ssp. hypericoides	St. Andrew's-cross	04-25-01	
multicaule (Michx. ex Willd.) Robson  = Hypericum stragulum P. Adams & Robson		, <u></u>	

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
CLUSIACEAE (continued)			
Hypericum nutilum L.	Dwarf St. John's-wort	07-03-01	
нуренсин натат L. Hypericum perforatum L.	Common St. John's-wort	05-23-01	
Hypericum punctatum Lam.	Spotted St. John's-wort	07-03-01	
CONVOLVULACEAE			
Iponюea pandurata (L.) G.F.W. Mey.	Man-of-the-earth	09-05-01	
CORNACEAE			
Cornus florida L.	Flowering dogwood	04-19-01	
Nyssa sylvatica Marsh.	Black tupelo	04-25-01	
EBENACEAE			
Diospyros virginiana L.	Common persimmon	10-03-01	
ERICACEAE  Gaylussacia baccata (Wangenh.) K. Koch	Block buckleherry	04-25-01	
	Black huckleberry Blue huckleberry		
Gaylussacia frondosa (L.) Torr. & Gray ex Torr.		04-25-01	
Leucothoe racemosa (L.) Gray	Swamp doghobble	04-19-01	
Lyonia mariana (L.) D. Don	Piedmont Staggerbush	05-23-01	
Rhododendrou atlanticum (Ashe) Rehd.	Dwarf azalea	04-25-01	
Vaccinium formosum Andr.	Southern blueberry	04-19-01	
Vaccinium fuscatum Ait.	Black blueberry	04-19-01	
Vaccinium pallidum Ait.	Early lowbush blueberry	04-19-01	
Vaccinium stamineum L.	Deerberry	04-19-01	
EUPHORBIACEAE			
Acalypha gracilens Gray	Slender three-seed-mercury	10-03-01	
Acalypha rhomboidea Raf.	Common three-seed-mercury	09-05-01	
Chamaesyce maculata (L.)	Small spotted sandmat	07-03-01	
= Euphorbia maculata L.			
Chamaesyce nutans (Lag.) Small = Euphorbia nutans Lag.	Eyebane	09-05-01	
FABACEAE			
*Albizia julibrissin Durazz,	Silktree	05-23-01	
Apios americana Medik.	Groundnut	07-03-01	
Chamaecrista fasciculata (Michx.) Greene	Sleepingplant	07-03-01	
= Cassia fasciculata Michx.			
Chauaecrista nictitans (L.) Moench = Cassia nictitans L.	Partridge-pea	09-05-01	
Desmodium glabellum (Michx.) DC.	Dillenius' tick-trefoil	09-05-01	
Desmodium paniculatum (L.) DC.	Panicled-leaf tick-trefoil	09-05-01	
*Kununerowia stipulacea (Maxim.) Makino	Korean-clover	09-05-01	
= Lespedeza stipulacea Maxim.  *Kunnuerowia striata (Thunb.) Schindl,  - Langedera striata (Thunb.) Hooks & American	Japanese-clover	07-03-01	AB 1943
= Lespedeza striata (Thunb.) Hook . & Arn.	Chinese bush-clover	04.25.01	
*Lespedeza cuneata (DumCours.) G. Don		04-25-01 09-05-01	
Lespedeza procumbens Michx.	Trailing bush-clover		
Lespèdeza repens (L.) W. Bart.	Creeping bush-clover	09-05-01	
Lespedeza virginica (L.) Britt.	Slender bush-clover	09-05-01	
*Melilotus officinalis (L.) Lam.	Yellow sweet-clover	05-23-01 09-05-01	
Stylosanthes biflora (L.) B.S.P.	Side-beak pencil-flower Goat's-rue		
Tephrosia virginiana (L.) Pers.	Rabbit-foot clover	07-03-01	
*Trifolium arvense L.		07-03-01	
*Trifolium campestre Schreb.	Lesser hop clover	05-23-01	
*Trifolium dubium Sibthorp	Suckling clover	04-25-01	
*Trifolium pratense L.	Red clover	09-05-01	
*Trifolium repens L.	White clover	04-25-01	
*Vicia lathyroides L.	Spring vetch	04-25-01	
*Vicia sativa L.	Garden vetch	04-25-01	

Black oak   O5-23-01	GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
AB   AB   AB   AB   AB   AB   AB   AB	EACACEAE			
Ourceas of the L		Alloghany abinkanin	05 22 01	
Duerous sociated Muenchh.   Searlet coak   10-03-01   Duerous signar L.   Water oak   04-25-01   Duerous subra L.   Duerous subra L.   Northern red oak   04-25-01   Duerous subra L.   Duerous velativa Lam.   Black oak   05-23-01   Duerous velativa Lam.   Black oak   05-23-01   Duerous velativa Lam.   Dest oak   05-23-01   Duerous velativa Lam.   Dest oak   Duerous Lam.   Dest oak   Duerous Lam.   Dest oak   Duerous Lam.   Dest oak   Duerous Lam.   Dest oak   Dest oak   Duerous Lam.   Dest oak   Dest oak   Duerous Lam.   Dest oak   Dest oa				
Duercus fisheata Michx,   Southern red oak   04-25-01	2			
Quereus philos L   Water oak   Q+25-01   Quereus philos L   Willow oak   Q+25-01   Quereus rubra L   Northern red oak   Q+25-01   Quereus rubra L   Quereus veluta Wangenh   Post oak   10-10-01   Quereus veluta Wangenh   Quereus veluta Wangenh   Post oak   10-10-01   Quereus veluta Wangenh   Quereus vel	2			
Querus yibellos L   Willow oak   04-25-0    Querus yibellos L   Querus yibellos Wangenh.   Post oak   10-10-0    Querus yelutina Lum.   Black oak   105-23-0    Querus yelutina Lum.   Black oak   105-23-0      Querus yelutina Lum.   Black oak   105-23-0				
Ouerous subtan L   Northern red oak   04-25-01   Ouerous subtan Wangenh.   Post oak   10-10-01   Ouerous subtan Wangenh.   Post oak   10-10-01   Ouerous subtan Wangenh.   Ouerous Wa				
Decreas velotina Union   Decreas velotina Lam.   Decreas velotina Campania L.   Decreasive discount				
Black oak   05-23-01	Quercus rubra L.	Northern red oak		
GENTIANACEAE Gentiana saponaria L.  GERANIACEAE  Geratiana dissectum L.  Cut-leaf crane's-bill  O5-23-01  AB 1903  GROSSULARIACEAE  flea virgitica L.  Virginia sweetspire  O5-23-01  HAMAMELDACEAE  flea virgitica L.  Loquidambar styruciflau L.  LAMIACEAE  **Lamiam purpureum L.  Lycopus virginicus L.  Virginia water-horehound  O9-05-01  **Pranella vulgaris L.  Common selfheal  O9-05-01  **Pranella vulgaris L.  Common selfheal  O9-05-01  Scatellaria integrifolia L.  LAURACEAE  Sassafras O4-19-01  LAURACEAE  Laura medium (Planch,) Britt. var. texanum (Planch,) Fern.  Stiff yellow flax  O7-03-01  MAGNOLIACEAE  Magnolia virginiana L.  Magnolia virginiana L.  Magnolia virginiana L.  Maryland meadow-beauty  MELASTOMATACEAE  **Riexia suaviana L.  Khexia virginica L.  OIEACEAE  **Ligustrum sinense Lour.  OIEACEAE  **Ligustrum sinense Lour.  Chinese privet  ONAGRACEAE  **Ligustrum sinense Lour.  ONAGRACEAE  **Ligustrum sinense Lour.  Chinese privet  ONAGRACEAE  **Ligustrum sinense Lour.  O	Quercus stellata Wangenh.	Post oak	10-10-01	
Geriana saponaria   L	Quercus velutina Lam.	Black oak	05-23-01	
Geriana saponaria   L	GENTIANACEAE			
#Gereanium dissectum L. Cut-leaf crane's-bill 05-23-01 AB 1903  GROSSULARIACEAE  tlea virginica L. Virginia sweetspire 05-23-01  HAMAMELIDACEAE  Liquidanhar styraciflua L. Sweet-gum 04-19-01  LAMIACEAE  #Lamina purpureum L. Virginia water-horehound 09-05-01  #Prunella vulgaris L. Common selfheal 09-05-01  #Prunella vulgaris L. Common selfheal 09-05-01  #Prunella vulgaris L. Common selfheal 09-05-01  #Prunella vulgaris L. Sweet-lower 05-23-01  LAURACEAE  Sassafras 04-19-01  LINACEAE  Linuan medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE  Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE  Rhexia variginia L. Maryland meadow-beauty 07-03-01  MELASTOMATACEAE  Rhexia virginia L. Handsome-Harry 07-03-01  OLEACEAE  **Chinese privet 10-03-01  ONAGRACEAE  Ludwigia alternifolia L. Seedbox 07-03-01  ONAGRACEAE  **Coulis comiculata L. Or-03-01  ONAGRACEAE  **Coulis comiculata L. Creeping yellow wood-sorrel 05-23-01  Delay alternifolia L. Marsh primrose-willow 07-03-01  ONALIDACEAE  **Coulis comiculata L. Or-03-01  PHYTOLACCACEAE  **Plytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE  **Plantago aristaa Michx. Large-bract plantain 07-03-01  PLANTAGINACEAE  **Plantago aristaa Michx. Large-bract plantain 07-03-01  POLYGALACEAE	Gentiaua saponaria L.	Harvestbells	10-03-01	
#Gereanium dissectum L. Cut-leaf crane's-bill 05-23-01 AB 1903  GROSSULARIACEAE  tlea virginica L. Virginia sweetspire 05-23-01  HAMAMELIDACEAE  Liquidanhar styraciflua L. Sweet-gum 04-19-01  LAMIACEAE  #Lamina purpureum L. Virginia water-horehound 09-05-01  #Prunella vulgaris L. Common selfheal 09-05-01  #Prunella vulgaris L. Common selfheal 09-05-01  #Prunella vulgaris L. Common selfheal 09-05-01  #Prunella vulgaris L. Sweet-lower 05-23-01  LAURACEAE  Sassafras 04-19-01  LINACEAE  Linuan medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE  Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE  Rhexia variginia L. Maryland meadow-beauty 07-03-01  MELASTOMATACEAE  Rhexia virginia L. Handsome-Harry 07-03-01  OLEACEAE  **Chinese privet 10-03-01  ONAGRACEAE  Ludwigia alternifolia L. Seedbox 07-03-01  ONAGRACEAE  **Coulis comiculata L. Or-03-01  ONAGRACEAE  **Coulis comiculata L. Creeping yellow wood-sorrel 05-23-01  Delay alternifolia L. Marsh primrose-willow 07-03-01  ONALIDACEAE  **Coulis comiculata L. Or-03-01  PHYTOLACCACEAE  **Plytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE  **Plantago aristaa Michx. Large-bract plantain 07-03-01  PLANTAGINACEAE  **Plantago aristaa Michx. Large-bract plantain 07-03-01  POLYGALACEAE	CED ANIA CE AE			
GROSSULARIACEAE thea virginica L. Virginia sweetspire 05-23-01 HAMAMELIDACEAE Liquidambar styraciflua L. Sweet-gum 04-19-01 LAMIACEAE **Lamium purpureum L. Red henbit 04-25-01 Lycopus virginicus L. Virginia water-brorhound 09-05-01 **Pramella vinglaris L. Common selfheal 09-05-01 Scutellaria integrifolia L. Helmet-flower 05-23-01 LAURACEAE Sassafras albidum (Nutt.) Nees Sassafras 04-19-01 LAURACEAE Linuam medium (Planch.) Britt. var. texanum (Planch.) Ferm. Stiff yellow flax 07-03-01 MAGNOLIACEAE Magnolia virginiama L. Sweet-bay 04-19-01 MELASTOMATACEAE Rhexia avariana L. Maryland meadow-beauty 07-03-01 Rhexia avirginica L. Handsome-Harry 07-03-01 OLEACEAE **Ligustrum sinense Lour. Chinese privet 10-03-01 ONAGRACEAE Ludwiga alternifolia L Ludwiga palustris (L.) Ell. Marsh primrose-willow 07-03-01 ONAGRACEAE **ONAGIRACEAE **ONAGIRACEAE **Covalis corniculatus L. Creeping yellow wood-sorrel 05-23-01 ONAGIRACEAE **Ovalis corniculatus L. Slender yellow wood-sorrel 05-23-01 PHYTOLACCACEAE **Phytolacca americana L. American pokeweed 07-03-01 PHYTOLACCACEAE **Plantago aricatua Michx. Large-bract plantain 07-03-01 PHANTAGINACEAE **Plantago aricatua Michx. Large-bract plantain 07-03-01 PPLANTAGINACEAE **Plantago aricatua Michx. Large-bract plantain 07-03-01 PPLANTAGINACEAE		C + 1 C + 1 1 22	05 00 01	A.D. 1002
### Virginia sweetspire   05-23-01   ### HAMAMELIDACEAE   ### Liquidambar styraciflua L.   Sweet-gum   04-19-01   ### LAMIACEAE   ### Liquidambar styraciflua L.   Sweet-gum   04-19-01   ### LAMIACEAE   ### Liquidambar styraciflua L.   Red henbit   04-25-01   ### Liquidambar styraciflua L.   Virginia water-horehound   09-05-01   ### Liquidambar styraciflua L.   Virginia water-horehound   09-05-01   ### Common selfheal   09-03-01   ### Common selfheal   09-05-01   ### Common selfheal   09-05-	*Geranum dissectum L.	Cut-leaf crane's-bill	05-23-01	AB 1903
HAMAMELIDACEAE   Liquidambar styraciflua L.   Sweet-gum   O4-19-01	GROSSULARIACEAE			
Liquidambar styraciflua L. Sweet-gum 04-19-01  LAMIACEAE  **Lamium purpureum L. Red henbit 04-25-01 Lycopus virginicus L. Virginia water-horehound 09-05-01  **Prunella vulgaris L. Common selfheal 09-05-01  **Scattellaria integrifolia L. Helmet-flower 05-23-01  LAURACEAE  *Sassafras dibidum (Nutt.) Nees Sassafras 04-19-01  LINACEAE  Linuan medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE  **Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE  **Resia mariana L. Maryland meadow-beauty 07-03-01  Rhexia virginica L. Handsome-Harry 07-03-01  OLEACEAE  **Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE  **Ligustrum sinense Lour. Seedbox 07-03-01  ONAGRACEAE  **Ladwiyaia alternifolia L. Seedbox 07-03-01  ONAGRACEAE  **Ladwiyaia alternifolia L. Seedbox 07-03-01  OXALIDACEAE  **Oxalis corniculata L. Orceping yellow wood-sorrel 05-23-01  OXALIDACEAE  **Plytolacca americama L. American pokeweed 07-03-01  PHYTOLACCACEAE  **Plytylolacca americama L. Engelsh plantain 04-25-01  PLANTAGINACEAE  **Plantago aristata Michx. Large-bract plantain 04-25-01  Plantago virginica L. English plantain 04-25-01  Plantago virginica L. English plantain 04-25-01  PollyGALACEAE	Itea virginica L.	Virginia sweetspire	05-23-01	
Liquidambar styraciflua L. Sweet-gum 04-19-01  LAMIACEAE  **Lamium purpureum L. Red henbit 04-25-01 Lycopus virginicus L. Virginia water-horehound 09-05-01  **Prunella vulgaris L. Common selfheal 09-05-01  **Scattellaria integrifolia L. Helmet-flower 05-23-01  LAURACEAE  *Sassafras dibidum (Nutt.) Nees Sassafras 04-19-01  LINACEAE  Linuan medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE  **Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE  **Resia mariana L. Maryland meadow-beauty 07-03-01  Rhexia virginica L. Handsome-Harry 07-03-01  OLEACEAE  **Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE  **Ligustrum sinense Lour. Seedbox 07-03-01  ONAGRACEAE  **Ladwiyaia alternifolia L. Seedbox 07-03-01  ONAGRACEAE  **Ladwiyaia alternifolia L. Seedbox 07-03-01  OXALIDACEAE  **Oxalis corniculata L. Orceping yellow wood-sorrel 05-23-01  OXALIDACEAE  **Plytolacca americama L. American pokeweed 07-03-01  PHYTOLACCACEAE  **Plytylolacca americama L. Engelsh plantain 04-25-01  PLANTAGINACEAE  **Plantago aristata Michx. Large-bract plantain 04-25-01  Plantago virginica L. English plantain 04-25-01  Plantago virginica L. English plantain 04-25-01  PollyGALACEAE	HAMAMELIDACEAE			
**Lanium purpureum L. Red henbit 04-25-01 Lycopus virginicus L. Virginia water-horehound 09-05-01 Primella vulgaris L. Common selfheal 09-05-01 Scutellaria integrifolia L. Helmet-flower 05-23-01  LAURACEAE Sassafras albidum (Nutt.) Nees Sassafras 04-19-01  LINACEAE Linaum medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE Rhexia mariana L. Maryland meadow-beauty 07-03-01  MELASTOMATACEAE Rhexia virginica L. Handsome-Harry 07-03-01  OLEACEAE **Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  ONAGRACEAE **Creeping yellow wood-sorrel 05-23-01  ONALIDACEAE **PORAIS corniculata L. Creeping yellow wood-sorrel 05-23-01  ONALIDACEAE **Phytolacca americana L. American pokeweed 07-03-01  PHYTOLACCACEAE **Phytolacca americana L. English plantain 07-03-01  PLANTAGINACEAE **Plantago aristata Michx. Large-bract plantain 04-25-01  POLYGALACEAE	Liquidambar styraciflua L.	Sweet-gum	04-19-01	
**Lanium purpureum L. Red henbit 04-25-01 Lycopus virginicus L. Virginia water-horehound 09-05-01 Primella vulgaris L. Common selfheal 09-05-01 Scutellaria integrifolia L. Helmet-flower 05-23-01  LAURACEAE Sassafras albidum (Nutt.) Nees Sassafras 04-19-01  LINACEAE Linaum medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE Rhexia mariana L. Maryland meadow-beauty 07-03-01  MELASTOMATACEAE Rhexia virginica L. Handsome-Harry 07-03-01  OLEACEAE **Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  ONAGRACEAE **Creeping yellow wood-sorrel 05-23-01  ONALIDACEAE **PORAIS corniculata L. Creeping yellow wood-sorrel 05-23-01  ONALIDACEAE **Phytolacca americana L. American pokeweed 07-03-01  PHYTOLACCACEAE **Phytolacca americana L. English plantain 07-03-01  PLANTAGINACEAE **Plantago aristata Michx. Large-bract plantain 04-25-01  POLYGALACEAE	LAMIACEAE			
Lycopus virginicus L. Virginia water-horehound 09-05-01 PPrintella vilgaris L. Common selfheal 09-05-01 Scatellaria integrifolia L. Helmet-flower 05-23-01 Scatellaria integrifolia L. Sassafras 04-19-01 Scatellaria integrifolia L. Sassafras 04-19-01 Scatellaria integrifolia L. Sweet-bay 04-19-01 Scatellaria integrifolia L. Scatellaria integrifolia		Dad hankis	04.25.01	
**Prinella vilgaris L. Scatellaria integrifolia L.  LAURACEAE Scatellaria integrifolia L.  LAURACEAE Sassafras albidum (Nutt.) Nees  Sassafras  O4-19-01  LINACEAE Linum medium (Planch.) Britt. var. texanum (Planch.) Fern.  Stiff yellow flax  O7-03-01  MAGNOLIACEAE Maguolia virginiana L.  MAGNOLIACEAE Maguolia virginiana L.  MELASTOMATACEAE Rhexia virginica L.  Maryland meadow-beauty Markexia virginica L.  ONAGRACEAE *Ligustrum sinense Lour.  ONAGRACEAE *Ligustrum sinense Lour.  Chinese privet  10-03-01  ONAGRACEAE Ludwigia alternifolia L. Ludwigia palustris (L.) Ell.  Marsh primrose-willow  ONALIDACEAE  *Voxalis corniculata L.  Oxalis dilleui Jacq.  DEPHYTOLACCACEAE Phytolacca americana L.  Plantago aristata Mitchx.  English plantain  O7-03-01  PLANTAGINACEAE  Plantago virginica L.  Pale-seed plantain  O4-25-01  POLYGALACEAE				
LAURACEAE				
LAURACEAE Sassafras dibidum (Nutt.) Nees Sassafras 04-19-01  LINACEAE Linum medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE Rhexia uuriana L. Maryland meadow-beauty Rhexia virginiaa L. Maryland meadow-beauty Rhexia virginiaa L. Maryland meadow-beauty Rhexia virginiaa L. Chinese privet 10-03-01  OLEACEAE  *Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE  Ludwigia alternifolia L. Seedbox 07-03-01  Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  OXALIDACEAE  *Oxalis comiculata L. Oxalis dilleuit Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE  Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE  Plantago aristata Michx. Large-bract plantain Plantago virginica L. Pale-seed plantain 04-25-01 Plantago virginica L. PoleYGALACEAE				
Sassafras albidum (Nutt.) Nees  LINACEAE Linum medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax  O7-03-01  MAGNOLIACEAE Magnolia virginiana L.  MELASTOMATACEAE Rhexia uuriana L.  Maryland meadow-beauty Rhexia virginica L.  O1-03-01  MELASTOMATACEAE  Rhexia virginica L.  O1-03-01  Maryland meadow-beauty O7-03-01  Handsome-Harry O7-03-01  O1-03-01  O1-03	Scutellaria integrifolia L.	Helmet-flower	05-23-01	
LINACEAE Linum medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax  MAGNOLIACEAE Magnolia virginiana L.  MELASTOMATACEAE Rhexia uturiana L. Maryland meadow-beauty Rhexia virginica L.  Maryland meadow-beauty Rhexia virginica L.  OLEACEAE *Ligustrum sinense Lour.  ONAGRACEAE Ludwigia alternifolia L. Ludwigia palustris (L.) Ell.  OXALIDACEAE *Oxalis corniculata L. Creeping yellow wood-sorrel Oxalis dilleuii Jacq.  PHYTOLACCACEAE Phytolacca americana L.  Plantago aristata Michx.  Plantago virginica L. Plantago virginica L. Pale-seed plantain  O7-03-01  PO-03-01  PO-03-01  PO-03-01  PO-03-01  PO-03-01  PO-03-01  PO-03-01  PLANTAGINACEAE Plantago virginica L. Pale-seed plantain  O4-25-01  POLYGALACEAE	LAURACEAE			
Linum medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE Rhexia usariana L. Maryland meadow-beauty 07-03-01 Rhexia virginica L. Maryland meadow-beauty 07-03-01  OLEACEAE *Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE Ludwigia attentifolia L. Seedbox 07-03-01  Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  OXALIDACEAE *Oxalis corniculata L. Creeping yellow wood-sorrel 05-23-01  Oxalis dillenii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE	Sassafras albidum (Nutt.) Nees	Sassafras	04-19-01	
Linum medium (Planch.) Britt. var. texanum (Planch.) Fern. Stiff yellow flax 07-03-01  MAGNOLIACEAE Magnolia virginiana L. Sweet-bay 04-19-01  MELASTOMATACEAE Rhexia usariana L. Maryland meadow-beauty 07-03-01 Rhexia virginica L. Maryland meadow-beauty 07-03-01  OLEACEAE *Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE Ludwigia attentifolia L. Seedbox 07-03-01  Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  OXALIDACEAE *Oxalis corniculata L. Creeping yellow wood-sorrel 05-23-01  Oxalis dillenii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE	LINACEAE			
Magnolia virginiana L.  MeLASTOMATACEAE Rhexia uuriana L. Rhexia uuriana L. Rhexia virginica L.  Maryland meadow-beauty Rhexia virginica L.  Maryland meadow-beauty Rhexia virginica L.  Maryland meadow-beauty Rhexia virginica L.  OLEACEAE *Ligustrum sinense Lour.  Chinese privet  10-03-01  ONAGRACEAE Ludwigia alternifolia L. Ludwigia palustris (L.) Ell.  Marsh primrose-willow  O7-03-01  OXALIDACEAE *Oxalis corniculata L. Oxalis dillenii Jacq.  Creeping yellow wood-sorrel O5-23-01  PHYTOLACCACEAE Phytolacca americana L.  American pokeweed  O7-03-01  PLANTAGINACEAE Plantago aristata Michx.  Large-bract plantain Plantago virginica L. Pale-seed plantain O4-25-01  POLYGALACEAE		Stiff yellow flax	07-03-01	
Magnolia virginiana L.  MeLASTOMATACEAE Rhexia uuriana L. Rhexia uuriana L. Rhexia virginica L.  Maryland meadow-beauty Rhexia virginica L.  Maryland meadow-beauty Rhexia virginica L.  Maryland meadow-beauty Rhexia virginica L.  OLEACEAE *Ligustrum sinense Lour.  Chinese privet  10-03-01  ONAGRACEAE Ludwigia alternifolia L. Ludwigia palustris (L.) Ell.  Marsh primrose-willow  O7-03-01  OXALIDACEAE *Oxalis corniculata L. Oxalis dillenii Jacq.  Creeping yellow wood-sorrel O5-23-01  PHYTOLACCACEAE Phytolacca americana L.  American pokeweed  O7-03-01  PLANTAGINACEAE Plantago aristata Michx.  Large-bract plantain Plantago virginica L. Pale-seed plantain O4-25-01  POLYGALACEAE	MAGNOLIACEAE			
MELASTOMATACEAE Rhexia uriana L. Rhexia virginica L. Maryland meadow-beauty Rhexia virginica L. Handsome-Harry  O7-03-01  OLEACEAE *Lignstrum sinense Lour.  Chinese privet  10-03-01  ONAGRACEAE  Ludwigia alternifolia L. Seedbox O7-03-01  Ludwigia palustris (L.) Ell. Marsh primrose-willow O7-03-01  OXALIDACEAE *Oxalis comiculata L. Creeping yellow wood-sorrel Oxalis dillenii Jacq. Slender yellow wood-sorrel O5-23-01  PHYTOLACCACEAE Phytolacca americana L. American pokeweed  O7-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain PHantago virginica L. English plantain Pale-seed plantain O4-25-01 POLYGALACEAE		Courset house	04 10 01	
Rhexia wariana L. Rhexia virginica L. Maryland meadow-beauty Rhexia virginica L.  OLEACEAE *Ligustrum sinense Lour. Chinese privet  ONAGRACEAE Ludwigia alternifolia L. Ludwigia palustris (L.) Ell. Marsh primrose-willow  OXALIDACEAE *Oxalis corniculata L. Oxalis dilleuii Jacq. Creeping yellow wood-sorrel Oxalidueii Jacq. Slender yellow wood-sorrel O5-23-01  PHYTOLACCACEAE Phytolacca americana L. American pokeweed  O7-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain *Plantago virginica L. Pale-seed plantain  O4-25-01  POLYGALACEAE	Magnona virginiana L.	Sweet-bay	04-19-01	
Rhexia virginica L. Handsome-Harry 07-03-01  OLEACEAE *Ligustrum sinense Lour. Chinese privet 10-03-01  ONAGRACEAE *Ludwigia alternifolia L. Seedbox 07-03-01  Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  OXALIDACEAE *Oxalis corniculata L. Creeping yellow wood-sorrel 05-23-01  Oxalis dillenii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE *Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE *Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago virginica L. English plantain 04-25-01  POLYGALACEAE	MELASTOMATACEAE			
OLEACEAE *Ligustrum sinense Lour.  Chinese privet  10-03-01  ONAGRACEAE  Ludwigia alternifolia L.  Ludwigia palustris (L.) Ell.  OXALIDACEAE  *Oxalis corniculata L.  Oxalis dilleuii Jacq.  PHYTOLACCACEAE  Phytolacca americana L.  PLANTAGINACEAE  Plantago aristata Michx.  *Plantago virginica L.  Plantago virginica L.  Chinese privet  10-03-01  Marsh primrose-willow  07-03-01  OxaLidovigia palustris (L.) Ell.  Marsh primrose-willow  07-03-01  OxaLidovigia palustris (L.) English plantain  07-03-01  PLANTAGINACEAE  Plantago virginica L.  Pale-seed plantain  O4-25-01  POLYGALACEAE	Rhexia mariana L.		07-03-01	
*Ligustrum sinense Lour.  Chinese privet 10-03-01  ONAGRACEAE  Ludwigia alternifolia L. Seedbox 07-03-01  Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  OXALIDACEAE  *Oxalis corniculata L. Creeping yellow wood-sorrel 05-23-01  Oxalis dilleuii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE  Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE  Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE	Rhexia virginica L.	Handsome-Harry	07-03-01	
*Ligustrum sinense Lour.  Chinese privet 10-03-01  ONAGRACEAE  Ludwigia alternifolia L. Seedbox 07-03-01  Ludwigia palustris (L.) Ell. Marsh primrose-willow 07-03-01  OXALIDACEAE  *Oxalis corniculata L. Creeping yellow wood-sorrel 05-23-01  Oxalis dilleuii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE  Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE  Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE	OLEACEAE			
Ludwigia alternifolia L. Ludwigia palustris (L.) Ell.  Marsh primrose-willow  O7-03-01  OXALIDACEAE  *Oxalis corniculata L. Oxalis dillenii Jacq.  PHYTOLACCACEAE  Phytolacca americana L.  American pokeweed  O7-03-01  PLANTAGINACEAE  Plantago aristata Michx.  *Plantago lanceolata L. English plantain Plantago virginica L.  Pale-seed plantain  O7-03-01  POLYGALACEAE  Plantago Virginica L.  POLYGALACEAE	*Ligustrum sinense Lour.	Chinese privet	10-03-01	
Ludwigia alternifolia L. Ludwigia palustris (L.) Ell.  Marsh primrose-willow  O7-03-01  OXALIDACEAE  *Oxalis corniculata L. Oxalis dillenii Jacq.  PHYTOLACCACEAE  Phytolacca americana L.  American pokeweed  O7-03-01  PLANTAGINACEAE  Plantago aristata Michx.  *Plantago lanceolata L. English plantain Plantago virginica L.  Pale-seed plantain  O7-03-01  POLYGALACEAE  Plantago Virginica L.  POLYGALACEAE	ONACDACEAE			
Ludwigia palustris (L.) Ell.  Marsh primrose-willow  07-03-01  OXALIDACEAE  *Oxalis corniculata L.  Oxalis dillenii Jacq.  PHYTOLACCACEAE  Phytolacca americana L.  American pokeweed  07-03-01  PLANTAGINACEAE  Plantago aristata Michx.  Large-bract plantain  *Plantago lunceolata L.  Pale-seed plantain  O4-25-01  POLYGALACEAE  POLYGALACEAE		Seedbox	07-03-01	
OXALIDACEAE  *Oxalis corniculata L. Creeping yellow wood-sorrel 05-23-01 Oxalis dillenii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago lanceolata L. English plantain 04-25-01 Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE	Ludwigia palustris (L.) Ell.			
*Oxalis corniculata L. Creeping yellow wood-sorrel 05-23-01 Oxalis dilleuii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago lanceolata L. English plantain 04-25-01 Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE				
Oxalis dilleuii Jacq. Slender yellow wood-sorrel 05-23-01  PHYTOLACCACEAE Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago lanceolata L. English plantain 04-25-01 Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE			0.500	
PHYTOLACCACEAE Phytolacca americana L.  American pokeweed  07-03-01  PLANTAGINACEAE Plantago aristata Michx. Large-bract plantain *Plantago lanceolata L. English plantain Plantago virginica L.  Pale-seed plantain  POLYGALACEAE				
Phytolacca americana L. American pokeweed 07-03-01  PLANTAGINACEAE  Plantago aristata Michx. Large-bract plantain 07-03-01  *Plantago lanceolata L. English plantain 04-25-01  Plantago virginica L. Pale-seed plantain 04-25-01  POLYGALACEAE	Oxalis dillenii Jacq.	Slender yellow wood-sorrel	05-23-01	
PLANTAGINACEAE  Plantago aristata Michx.  *Plantago lanceolata L.  Plantago virginica L.  Pale-seed plantain  POLYGALACEAE	PHYTOLACCACEAE			
Plantago aristata Michx.Large-bract plantain07-03-01*Plantago lanceolata L.English plantain04-25-01Plantago virginica L.Pale-seed plantain04-25-01POLYGALACEAE	Phytolacca americana L.	American pokeweed	07-03-01	
Plantago aristata Michx.Large-bract plantain07-03-01*Plantago lanceolata L.English plantain04-25-01Plantago virginica L.Pale-seed plantain04-25-01POLYGALACEAE	PLANTAGINACEAE			
*Plantago lanceolata L. English plantain 04-25-01 Plantago virginica L. Pale-seed plantain 04-25-01 POLYGALACEAE		Large-bract plantain	07 03 01	
Plantago virginica L. Pale-seed plantain 04-25-01 POLYGALACEAE				
POLYGALACEAE				
	rianiago virginica L.	raie-seed plantain	04-25-01	
Polygala curtissii Gray Curtiss' milkwort 10-03-01	POLYGALACEAE			
	Polygala curtissii Gray	Curtiss' milkwort	10-03-01	

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
POLYGONACEAE			
*Polygonum caespitosum Blume var. longisetum (de Bruyn) A.N. Steward	Oriental lady's-thumb	09-05-01	
Polygonum hydropiperoides Michx.	Swamp smartweed	10-30-01	
Polygonum pensylvanicum L.	Pinkweed	10-10-01	
Polygonum punctatum Ell,	Dotted smartweed	10-03-01	
*Rumex acetosella L.	Common sheep sorrel	04-25-01	
*Rimex crispus L.	Curly dock	04-25-01	
*Rumex obtusifolius L.	Bitter dock	05-23-01	
PRIMULACEAE			
*Anagallis arvensis L.	Scarlet pimpernel	09-05-01	
Lysimachia quadrifolia L.	Whorled yellow-loosestrife	05-23-01	
PYROLACEAE			
Chimaphila maculata (L.) Pursh	Striped prince's-pine	04-19-01	
RANUNCULACEAE			
Clematis virginiana L.	Devil's-darning-needles	05-23-01	
Ranunculus bulbosus L.	St. Anthony's-turnip	04-25-01	
ROSACEAE			
Amelanchier canadensis (L.) Medik.	Canadian service-berry	04-19-01	
Duchesnea indica (Andr.) Focke	Indian-strawberry	04-25-01	
Photinia pyrifolia (Lam.) Robertson & Phipps = Aronia arbutifolia (L.) Pers. = Pyrus arbutifolia (L.) L. f.	Red chokeberry	04-19-01	
Potentilla canadensis L.	Dwarf cinquefoil	04-25-01	
Potentilla simplex Michx.	Oldfield cinquefoil	04-25-01	
Prunus serotina Ehrh.	Black cherry	04-25-01	
Rubus argutus Link	Saw-tooth blackberry	05-23-01	
Rubus cuneifolius Pursh	Sand blackberry	07-03-01	
Rubus flagellaris Willd.	Whiplash dewberry	07-03-01	
Rubus scambens Bailey	Springtime dewberry	10-03-01	
RUBIACEAE			
Cephalanthus occidentalis L.	Common buttonbush	10-10-01	
Diodia teres Walt.	Poorjoe	04-25-01	
Houstonia caerulea L.	Quaker-ladies	04-25-01	
= Hedyotis caerulea (L.) Hook.		0.4.0.7.0.4	15.1005
Houstonia pusilla Schoepf	Tiny bluet	04-25-01	AB 1897
= Hedyotis crassifolia Raf.	Partridge-berry	04 10 01	
Mitchella repens L.	Partridge-berry	04-19-01	
SALICACEAE	Die teeth some	05-23-01	
Populus grandidentata Michx. Salix humilis Marsh.	Big-tooth aspen Prairie willow	04-19-01	
Salix nigra Marsh.	Black willow	04-25-01	
SCROPHULARIACEAE			
Agalinis purpurea (L.)	Pennell purple false foxglove	10-03-01	
Nuttallantlus canadensis (L.) D.A. Sutton = Linaria canadensis (L.) Chaz.	Oldfield-toadflax	04-25-01	
*Verouica arvensis L.	Corn speedwell	04-25-01	
*Veronica hederifolia L.	Ivy-leaf speedwell	04-25-01	
Veranica officinalis L.	Common gypsyweed	04-25-01	
Veronica peregrina L.	Neckweed	04-25-01	
*Veronica persica Poir.	Bird-eye speedwell	04-25-01	
SOLANACEAE			
Solanum carolinense L.	Carolina horse-nettle	07-03-01	
ТҮРНАСЕАЕ			
Typha latifolia L.	Broad-leaf cat-tail	09-05-01	

32	BANISTERIA		NO. 22, 200
GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
URTICACEAE			
Boehmeria cylindrica (L.) Sw.	Small-spike false nettle	10-03-01	
VALERIANACEAE			
*Valerianella locusta (L.) Lat.	Lamb's-lettuce	04-25-01	
VIOLACEAE			
*Viola arvensis Murr.	European field pansy	04-25-01	
Viola bicolor Pursh	Field pansy	04-19-01	
Viola cucullata Ait. Viola × primulifolia L. (pro sp.) [lanceolata × macloskeyi] = Viola primulifolia L.	Marsh blue violet Primrose-leaved violet	04-19-01 04-19-01	
VITACEAE			
Parthenocissus quinquefolia (L.)Planch.	Virginia-creeper	04-19-01	
Vitis cinerea (Engelm.) Millard var. floridana Munson	Gray-bark grape	10-03-01	AB 1937
Vitis votundifolia Michx.	Muscadine	04-25-01	
ANGIOSPERMAE: MONOCOTYLEDONEAE			
COMMELINACEAE			
*Commelina communis L.	Asiatic dayflower	09-05-01	
*Murdannia keisak (Hassk.) HandMaz.	Wart-removing-herb	05-23-01	
CYPERACEAE	B 1 1 1 1 1	07.00.01	
Carex alata Torr.	Broad-wing sedge	05-23-01	
Carex albicans Willd. ex Spreng. Carex blanda Dewey	White-tinge sedge Eastern woodland sedge	05-23-01 05-23-01	
Carex blanda Dewey Carex bullata Schkuhr ex Willd.	Button sedge	05-23-01	
Carex criuita Lam.	Fringed sedge	05-23-01	
Carex debilis Michx.	White-edge sedge	05-23-01	
Carex frankii Kunth	Frank's Sedge	07-03-01	
Carex hirsutella Mackenzie	Fuzzy-wuzzy sedge	05-23-01	
= Carex complanata Torr. & Hook. var. hirsuta (Willd.) Gleason			
Carex intunescens Rudge	Greater bladder sedge	05-23-01	
Carex joorii Bailey	Cypress-swamp sedge	10-10-01	
Carex lonchocarpa Willd.	Southern long sedge	05-23-01	
= Çarex folliculata L. var. australis Bailey Carex longii Mackenzie	Long's sadas	05-23-01	
Carex longii Mackenzle Carex louisianica Bailey	Long's sedge Louisiana sedge	10-10-01	
Carex lurida Wahlenb.	Sallow sedge	05-23-01	
Carex scoparia Schkuhr ex Willd.	Pointed broom sedge	05-23-01	
Carex seorsa Howe	Weak stellate sedge	05-23-01	
Carex vulpinoidea Michx.	Common fox sedge	05-23-01	
Cyperus echinatus (L.) Wood = Cyperus ovularis (Michx.) Torr.	Globe flat sedge	07-03-01	
*Cyperus iria L.	Ricefield flat sedge	09-05-01	
Cyperus pseudovegetus Steud.	Marsh flat sedge	07-03-01	
Cypevus strigosus L.	Straw-color flat sedge	09-05-01	
Eleocharis obmsa (Willd.) J.A. Schultes = Eleocharis ovata (Roth) Roemer &	Blunt spike-rush	09-05-01	
J. A. Schultes var. obtusa (Willd.) Kükenth.			
Eleocharis tennis (Willd.) J.A. Schultes	Slender spike-rush	05-23-01	
Eleocharis tuberculosa (Michx.) Roemer & J.A. Schultes	Cone-cup spike-rush	10-03-01	
*Fimbristylis annua (All.) Roemer & J.A. Schultes	Annual fimbry	09-05-01	
Fimbristylis antumnalis (L.) Roemer & J.A. Schultes	Slender fimbry	09-05-01 09-05-01	
<i>Rhyuchospora capitellata</i> (Michx.) Vahl <i>Rhyuchospora coruiculata</i> (Lam.) Gray	Brownish beak sedge Short-bristle horned beak sedge	10-03-01	AB 1932
Rhynchospora glomerata (L.) Vahl	Clustered beak sedge	10-03-01	AB 1932 AB 1942
Rhynchospora inexpansa (Michx.) Vahl	Nodding beak sedge	07-03-01	.110 17 12

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
CYPERACEAE (continued)			
Rhynchospora recognita (Gale) Kral	Coarse globe beak sedge	10-10-01	
= Rhynchospora globularis (Chapman) Small	compe grove boar seage	10 10 01	
var. recognita Gale			
Scirpus cyperinus (L.) Kunth	Cottongrass bulrush	09-05-01	
Scirpus georgianus Harper	Georgia bulrush	07-03-01	
IRIDACEAE			
Sisyrinchium angustifolium P. Mill.	Narrow-leaf blue-eyed-grass	05-23-01	
Which of the			
JUNCACEAE	YZ 1 . C . 1	07.02.01	
Juneus acuminatus Michx.	Knotty-leaf rush	07-03-01	
Juncus canadensis J. Gay ex Laharpe	Canadian rush	09-05-01	AD 1010
Juneus dichotomus Ell.	Forked rush	07-03-01	AB 1910
Juncus effusus L.	Lamp rush	07-03-01	
Juneus marginatus Rostk.	Grass-leaf rush	07-03-01	
Juncus scirpoides Lam.	Needle-pod rush	10-10-01	
Luzula bulbosa (Wood) Smyth & Smyth	Bulbous wood-rush	04-25-01	
LILIACEAE			
Alliun canadense L.	Meadow garlic	07-03-01	
*Allinm vineale L.	Crow garlic	04-25-01	
*Narcissus sp.	Narcissus	04-25-01	
Polygonatum biflorum (Walt.) Ell. var.	King Solomon'-seal	10-10-01	
commutatum (J.A. & J.H. Schultes) Morong			
ORCHIDACEAE			
Cypripedium acaule Ait.	Pink lady's-slipper	04-25-01	
POACEAE			
Agrostis elliottiana J.A. Schultes	Elliott's bent	05-23-01	AB 1902
Agrostis hyemalis (Walt.) B.S.P.	Winter bent	05-23-01	110 1702
Agrostis perennans (Walt.) Tuckerman	Upland bent	09-05-01	
*Aira caryophyllea L	Common silver-hair grass	04-25-01	
Andropogon glomeratus (Walt.) B.S.P.	Bushy bluestem	04-25-01	
Andropogon ternarius Michx.	Split-beard bluestem	10-03-01	
Andropogon virginiens L.	Broom-sedge	04-19-01	
*Anthoxanthim odoratum L.	Large sweet vernal grass	04-19-01	
Aristida dichotoma Michx.	Church-mouse three-awn	10-03-01	
Aristida oligantha Michx.	Prairie three-awn	09-05-01	
*Bromus commutatus Schrad.	Meadow brome	07-03-01	
Calamagrostis coarctata (Torr.) Eat.	Nuttall's reed grass	10-03-01	
= Calamagrostis ciunoides W. Bart. nom. super.		0.7.22.01	
Chasmanthium laxum (L.) Yates	Slender wood-oats	05-23-01	
Cinna arındinacea L.	Sweet wood-reed	10-03-01	
*Cynodon dactylon (L.) Pers	Bermuda grass	07-03-01	
*Dactylis glomerata L.	Orchard grass	04-25-01	
Danthonia sericea Nutt.	Silky wild oat grass	05-23-01	
Dauthouia spicata (L.) Beauv. ex Roemer & J.A. Schultes	Poverty wild oat grass	04-25-01	
Dichanthelium aciculare (Desv. ex Poir.) Gould & C.A. Clark	Needle-leaf rosette grass	05-23-01	
Dichanthelium acuminatum (Sw.) Gould & C.A. Clark	Tapered rosette grass	05-23-01	
Dichanthelium clandestinum (L.) Gould	Deer-tongue rosette grass	05-23-01	
Dichauthelium depauperatum (Muhl.) Gould	Starved rosette grass	05-23-01	
Dichanthelium dichotomum (L.) Gould	Cypress rosette grass	05-23-01	
Dichanthelium laxiflorum (Lam.) Gould	Open-flower rosette grass	05-23-01	
Dichauthelium scoparium (Lam.) Gould	Broom rosette grass	05-23-01	
*Digitaria ischaemum (Schreb.) Schreb. ex Muhl.	Smooth crab grass	10-03-01	
*Digitaria sanguinalis (L.) Scop.	Hairy crab grass	09-05-01	
Echinochloa nuricata (Beauv.) Fern.	Rough barnyard grass	09-05-01	
Elynms virginicus L.	Virginia wild rye	09-05-01	
*Eragrostis pilosa (L.) Beauv.	Indian love grass	09-05-01	
Eragrostis spectabilis (Pursh) Steud.	Petticoat-climber	09-05-01	
Glyceria striata (Lam.) A.S. Hitchc.	Fowl manna grass	05-23-01	

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	COUNTY RECORD COLLECTION NO.
POACEAE (continued)			
Hordeum pusillum Nutt.	Little barley	05-23-01	
Leersia oryzoides (L.) Sw.	Rice cut grass	10-03-01	
Leersia virginica Willd.	White grass	09-05-01	
*Lolium perenne L. ssp. multiflorum (Lam.) Husnot =Lolium multiflorum Lam.	Perennial rye grass	05-23-01	
*Lolium pratense (Huds.) S.J. Darbyshire = Festuca elatior L. p.p. = Festuca pratensis Huds.	Meadow rye grass	05-23-01	
*Microstegium vimineum (Trin.) A. Camus	Nepalese browntop	09-05-01	
Panicum anceps Michx.	Beaked panic grass	09-05-01	
Panicum dichotomiflorum Michx.	Fall panic grass	09-05-01	
Panicum rigidnlum var. pubescens (Vasey) Lelong = Panicum longifolium Torr.	Red-top panic grass	09-05-01	
Panicum verruçosum Muhl.	Warty panic grass	09-05-01	
*Paspalum dilatatum Poir.	Golden crown grass	07-03-01	
Paspalum floridanum Michx.	Florida crown grass	09-05-01	AB 1941
Paspalum setaceum Michx.	Slender crown grass	07-03-01	
*Poa annua L.	Annual blue grass	04-25-01	
*Poa compressa L.	Flat-stem blue grass	05-23-01	
Poa prateusis L.	Kentucky blue grass	05-23-01	
Saccharum alopecuroidum (L.) Nutt. = Erianthus alopecuroides (L.) Ell.	Silver plume grass	10-10-01	AB 1939
Saccharnm baldwinii Spreng. = Erianthus strictus Ell,	Narrow plume grass	10-03-01	AB 1938
Setaria parviflora (Poir.) Kerguélen = Setaria geniculata auct, non (Wild.) Beauv.	Marsh bristle grass	09-05-01	
Setaria pumila (Poir.) Roemer & J.A. Schultes ssp. pumila	Pearl-millet	10-03-01	
= Setaria glauca (L.) Beauv.	a de la companya de l		
[Kartesz (1999) lists this taxon as <i>Pennisetum glaud</i>	Vallay India	10 10 01	
Sorghastrum nutans (L.) Nash	Yellow Indian grass	10-10-01	
Tridens flavus (L.) A.S. Hitchc.	Tall redtop	04-25-01	
*Vulpia myuros (L.) K.C. Gmel. = Festuca myuros L.	Rat-tail six-weeks grass	05-23-01	
SMILACACEAE			
Smilax glanca Walt.	Sawbrier	04-25-01	
Smilax rotundifolia L.	Horsebrier	04-25-01	

Table 2. Fauna of Virginia Army National Guard OMS No. 1 and No. 2 identified during DCR-DNH inventory, 2001-2002. The list is arranged by major groups: vertebrates followed by invertebrates. Families, genera, and species are arranged alphabetically. Taxa preceded by a c were collected; all others were identified by sight or sound in the field. Taxa followed by an asterisk (\*) are potential county records (Carle, 1982; Opler et al., 1995). Dates are listed as month-day-year. See the Methods section for a key to the abbreviations for method of inventory. Nomenclature and identification sources included the following: American Ornithologists' Union (1998), Conant & Collins (1998), Covell (1984), Crother (2000), Dragonfly Society of the Americas (1996), Dunkle (2000), Glassberg (1999), Jenkins & Burkhead (1994), Kain (1987), Knisley & Schultz (1997), Linzey (1998), Miller (1992), Opler (1998), Page & Burr (1991), Peterson (1980), and Westfall & May (1996). Note that there is no standard list of common names for moths.

GROUP/FAMILY		DATE FIRST	
CIENTIFIC NAME	COMMON NAME	OBSERVED	METHOD
ISH			
ENTRARCHIDAE			
ENTRARCHIDAE Acantharchus pomotis (Baird)	Mud Sunfish	06-21-01	MN
		06-21-01	
Enneacanthus gloriosus (Holbrook)	Bluespotted Sunfish	00-21-01	MN
MBRIDAE		25.24.24	
Unibra pygmaea (DeKay)	Eastern Mudminnow	06-21-01	MN
MPHIBIANS			
UFONIDAE			
Bufo americanus Holbrook	American Toad	08-13-01	HV
Bufo fowleri (Hinckley)	Fowler's Toad	06-18-01	HV
YLIDAE			
Acris crepitans Baird	Northern Cricket Frog	06-29-01	HV
Hyla chrysoscelis Cope	Cope's Gray Treefrog	07-11-01	DF
Hyla cinerea (Schneider)	Green Treefrog	08-14-01	HV
Pseudacris crucifer (Wied-Neuwied)	Spring Peeper	09-20-01	DF
IICROHYLIDAE			
Gastrophryne carolinensis (Holbrook)	Eastern Narrowmouth Toad	06-19-01	DF
ANIDAE			
ANIDAE ana clamitans Latreille	Green Frog	04-19-01	HV
		04-19-01 08-01-01	HV HV
ana palustris LeConte	Pickerel Frog	09-01-01	н٧
EPTILES			
HELYDRIDAE			
helydra serpentina (Linnaeus)	Snapping Turtle	06-21-01	MN
OLUBRIDAE			
laphe obsoleta (Say)	Rat Snake	07-03-01	HV
leterodon platirhinos Latreille	Eastern Hognose Snake	08-01-01	HV
MYDIDAE			
Elemmys guttata (Schneider)	Spotted Turtle	08-14-01	HV
terrapene carolina (Linnaeus)	Eastern Box Turtle	06-29-01	HV
INOSTERNIDAE			
inosternon subrubrum (Lacepède)	Eastern Mud Turtle	08-14-01	HV
inosection surrium (Lacepeac)	Lastern ward futue	00-1 <del>4-</del> 01	11 4
HRYNOSOMATIDAE			
celoporus undulatus (Bosc & Daudin)	Eastern Fence Lizard	08-01-01	HV
CINCIDAE			
umeces inexpectatus Taylor	Southeastern Five-lined Skink	04-15-02	СВ
IRDS			
CCIPITRIDAE			
uteo jamaicensis (Gmelin)	Red-tailed Hawk	06-29-01	HV
med Januarenson (Omenn)	roo mio nava	00 27 01	11 *
PODIDAE	GLI GLIG	05.61.01	
haetura pelagica (Linnaeus)	Chimney Swift	05-31-01	BD

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	METHOD
BIRDS (continued)			
BOMBYCILLIDAE			
Bombycilla cedrorum Vieillot	Cedar Waxwing	04-19-01	HV
Bonoyema ecarorum vicinot	Cedar Waxwing	04 17 01	11 V
CARDINALIDAE			
Cardinalis cardinalis (Linnaeus)	Northern Cardinal	05-31-01	BD
Passerina cyanea (Linnaeus)	Indigo Bunting	05-31-01	BD
CATHARTIDAE			
Cathartes aura (Linnaeus)	Turkey Vulture	04-19-01	HV
,	y		
COLUMBIDAE			
Zenaida macroura (Linnaeus)	Mourning Dove	05-31-01	BD
CORVIDAE			
Cyanocitta cristata (Linnaeus)	Blue Jay	05-31-01	BD
Cydnoctila Cristata (Elimaeus)	Blue Jay	05-51-01	БD
CUCULIDAE			
Coccyzus americanus (Linnaeus)	Yellow-billed Cuckoo	06-29-01	BD
EMBERIATE AS			
EMBERIZIDAE Pipilo ervthrophthalmus (Linnaeus)	Eastern Towhee	05-31-01	BD
Spizella passerina (Bechstein)	Chipping Sparrow	05-31-01	BD
spizena passetina (Bechstein)	Chipping Sparrow	05-51-01	DD
FRINGILLIDAE			
Carduelis tristis (Linnaeus)	American Goldfinch	05-31-01	BD
ICTED ID A F			
ICTERIDAE Euphagus carolinus (Muller)	Ducter Dlo olchind	04-15-02	BD
Molothrus ater (Boddaert)	Rusty Blackbird Brown-headed Cowbird	05-31-01	BD
molomius aler (Boddacit)	Brown-neaded Cowond	03-31-01	DD
MIMIDAE			
Dumetella carolinensis (Linnaeus)	Gray Catbird	08-01-01	BD
Minus polyglottos (Linnaeus)	Northern Mockingbird	05-31-01	BD
Toxostoma rufum (Linnaeus)	Brown Thrasher	04-19-01	BD
PARIDAE			
Poecile carolinensis (Audubon)	Carolina Chickadee	05-31-01	BD
Baeolophus bicolor (Linnaeus)	Tufted Titmouse	05-31-01	BD
Bucoopius bicoloi (Elillacus)	Tured Titmouse	03-31 01	BB
PARULIDAE			
Dendroica caerulescens (Gmelin)	Black-throated Blue Warbler	10-23-01	HV
Deudroica coronata (Linnaeus)	Yellow-rumped Warbler	04-15-02	HV
Dendroica discolor (Vieillot)	Prairie Warbler	04-19-01	HV
Dendroica piuus (Wilson)	Pine Warbler	05-31-01	BD
Geothlypis trichas (Linnaeus)	Common Yellowthroat	04-19-01	HV
Mniotilta varia (Linnaeus)	Black-and-white Warbler	05-31-01	BD
Oporornis formosus (Wilson)	Kentucky Warbler	09-06-01	HV
Protonotaria citrea (Boddaert)	Prothonotary Warbler	09-06-01	HV
Seiurus aurocapillus (Linnaeus)	Ovenbird	05-31-01	BD
Wilsonia citrina (Boddaert)	Hooded Warbler	05-31-01	BD
PICIDAE			
Colaptes auratus (Linnaeus)	Northern Flicker	05-31-01	BD
Dryocopus pileatus (Linnaeus)	Pileated Woodpecker	09-18-01	HV
Melanerpes carolinus (Linnaeus)	Red-bellied Woodpecker	05-31-01	BD
Picoides pubescens (Linnaeus)	Downy Woodpecker	08-01-01	HV
Picoides villosus (Linnaeus)	Hairy Woodpecker	09-06-01	HV
REGULIDAE	Duly grove - 1 Vi1-4	04 10 01	1117
Regulus calendula (Linnaeus)	Ruby-crowned Kinglet Golden-crowned Kinglet	04-19-01 06-29-01	HV HV
Regulus satrapa Lichtenstein	Golden-crowned Kinglet	00-29-01	пν

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	METHOD
DIDDG /			
BIRDS (continued) SITTIDAE			
Sitta carolinensis Latham	White-breasted Nuthatch	05-31-01	BD
Sina carolinansis Santani	Third of business Translation	00 01 01	22
STURNIDAE			
Sturnus vulgaris Linnaeus	European Starling	05-31-01	BD
SYLVIIDAE			
Polioptila caerulea (Linnaeus)	Blue-gray Gnatcatcher	05-31-01	BD
	2 ,		
THRAUPIDAE			
Piranga rubra (Linnaeus)	Summer Tanager	05-31-01	BD
TROGLODYTIDAE			
Thryothorus ludovicianus (Latham)	Carolina Wren	05-31-01	BD
TURDIDAE			
Hylocichla mustelina (Gmelin)	Wood Thrush	05-31-01	BD
Sialia sialis (Linnaeus)	Eastern Bluebird	05-31-01	BD
Turdus migratorius Linnaeus	American Robin	05-31-01	BD
TYRANNIDAE			
Contopus virens (Linnaeus)	Eastern Wood-pewee	05-31-01	BD
Myiarchus crinitus (Linnaeus)	Great Crested Flycatcher	05-31-01	BD
Sayornis phoebe (Latham)	Eastern Phoebe	05-31-01	BD
Tyrannus tyrannus (Linnaeus)	Eastern Kingbird	05-31-01	BD
A MERCAND A D			
VIREONIDAE Vireo alimpacus (Linnagus)	Pad avad Viras	05-31-01	BD
Vireo olivaceus (Linnaeus)	Red-eyed Vireo	03-31-01	טם
MAMMALS			
CERVIDAE			
Odocoileus virginianus (Zimmermann)	White-tailed Deer	05-31-01	HV
MURIDAE			
Peromyscus leucopus (Rafinesque)	White-footed Mouse	06-19-01	SH
Teromysens teneopus (Tannesque)	,, me route mouse	00 17 01	V
PROCYONIDAE			
Procyon lotor (Linnaeus)	Raccoon	05-31-01	HV
SCIURIDAE			
Sciurus carolinensis Gmelin	Gray Squirrel	05-31-01	HV
Tamias striatus (Linnaeus)	Eastern Chipmunk	05-31-01	HV
(2000)		00 01 01	
VESPERTILIONIDAE			
Lasiurus borealis (Muller)	Red Bat	08-14-01	MT
COLEOPTERA (BEETLES)			
CICINDELIDAE			
° Cicindela rufiventris Dejean	A tiger beetle	08-01-01	SW
° Cicindela sexguttata Fabricius	A tiger beetle	04-19-01	SW
LEPIDOPTERA (BUTTERFLIES, SKIPPER	S, and MOTHS)		
ARCTIDAE		05 21 01	1137
° Cisseps fulvicollis (Hübner) ° Cisthene plumbea Stretch		05-31-01 08-15-01	UV UV
° Clemensia albata Packard		09-07-01	UV
c Crambidia uniformis Dyar		09-20-01	UV
<sup>c</sup> Grammia parthenice intermedia (Stretch)		09-20-01	UV
<sup>c</sup> Grammia phyllira (Drury)		09-20-01	UV
c Haploa clymene (Brown)		07-11-01	UV
c Hypoprepia fucosa Hübner		08-15-01	UV
° Pyrrharctia Isabella (J. E. Smith)		08-15-01	UV
° Spilosoma congrua Walker		05-16-01	UV
			-

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	METHOD
LEPIDOPTERA (continued)			
DREPANIDAE			
© Oreta rosea (Walker)		05-31-01	UV
GEOMETRIDAE			
SEOMETRIDAE Anacamptodes vellivolata (Hulst)		05-16-01	UV
Besma quercivoraria (Guenée)		05-16-01	UV
Campaea perlata (Guenée)		05-16-01	UV
			UV
Costaconvexa centrostrigaria (Wollaston) Cyclophora pendulinaria (Guenée)		08-15-01	UV
		08-14-01	
Enchlaena obtusaria (Hübner)		05-16-01 05-31-01	UV
Eusarca confusaria Hübner			UV
Glena cribrataria (Guenée)		05-16-01	UV
Hypagyrtis esther (Barnes)		08-15-01	UV
Hypagyrtis unipunctata (Haworth)		05-16-01	UV
Hypomecis gnopharia (Guenée)		08-15-01	UV
Lambdina athasaria (Walker) complex		08-14-01	UV
Melauolophia cauadaria (Guenée)		09-19-01	UV
Metarranthis hypocharia (Herrich-Schäffer)		06-19-01	UV
<sup>c</sup> Patalene olyzonaria puber (Grote & Robinson)		06-19-01	UV
<sup>c</sup> Plagodis alcoolaria (Guenée)		08-15-01	UV
<sup>c</sup> Prochoerodes transversata (Drury)		09-21-01	UV
<sup>c</sup> Scopula inductata (Guenée)		05-16-01	UV
<sup>c</sup> Scopnla limbonudata (Haworth)		05-31-01	UV
Semiothisa aemulataria (Walker)		05-16-01	UV
Semiothisa gnophosaria (Guenée)		09-20-01	UV
HESPERIIDAE			
Ancyloxypha numitor (Fabricius)	Least skipperling	09-06-01	SW
c Atalopedes campestris (Boisduval)*	Sachem	09-06-01	SW
<sup>c</sup> Euphyes vestris (Boisduval)*	Dun skipper	06-19-01	SW
c Lerema accius (Smith)*	Clouded skipper	09-06-01	SW
<sup>c</sup> Nastra lherminier (Latreille)	Swarthy skipper	06-19-01	SW
Poanes viator zizuniae Shapiro*	Broad wing skipper	09-06-01	SW
		06-19-01	
<sup>c</sup> Poanes zabulon (Boisduval & Leconte)* <sup>c</sup> Polites origenes (Fabricius)*	Zabulon skipper		SW
	Crossline skipper	09-06-01	SW
Construction Polities themistocles (Latreille)*	Tawny-edged skipper	08-16-01	SW
c Pompeius verna (Edwards)	Little glassywing	09-18-01	SW
Pyrgus communis (Grote)*	Common checkered skipper	10-23-01	SW
<sup>c</sup> Thorybes bathyllus (Smith)*	Southern cloudywing	08-01-01	SW
LYCAENIDAE			
Calycopis cecrops (Fabricius)	Red-banded hairstreak	05-15-01	SW
<sup>c</sup> Everes comyntas (Godart)	Eastern tailed blue	06-29-01	SW
NOCTUIDAE			
<sup>c</sup> Abagrotis alternata (Grote)		09-21-01	UV
Acronicta inclara Smith complex		05-16-01	UV
Agrotis ipsilon (Hufnagel)		05-16-01	UV
Allotria elonympha (Hübner)		08-14-01	UV
Amphipyra pyramidoides Guenée		08-15-01	UV
Anicla infecta (Ochs.)		09-20-01	UV
Anorthodes tarda (Guenée)		05-16-01	UV
Arugisa latiorella (Walker)		09-07-01	UV
Bleptina caradrinalis Guenée		05-16-01	UV
Caenurgia chloropha (Hübner)		08-15-01	UV
Chytolita morbidalis (Guenee)		05-16-01	UV
<sup>c</sup> Chytonix palliatricula (Guenée)		05-16-01	UV
<sup>c</sup> Cirrhopluanus triangulifer Grote		09-07-01	UV
<sup>c</sup> Condica videns (Guenée)		09-18-01	UV
<sup>c</sup> Elaphria festivoides (Guenée)		05-16-01	UV
Elaphria grata Hübner		08-14-01	UV
c Feltia herilis (Grote)		09-18-01	UV
<sup>c</sup> Galgula partita Guenée		08-15-01	UV

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	METHOD
LEPIDOPTERA (continued)			
NOCTUIDAE (continued)			
Hypeua baltimoralis Guenée		08-15-01	UV
Hypena manalis Walker		06-19-01	UV
Hypena scabra (Fabricius)		05-31-01	UV
Idia aemula Hübner		08-15-01	UV
Idia americalis (Guenée)		08-15-01	UV
Idia scobialis (Grote)		08-15-01	UV
Lacinipolia laudabilis (Guenée)		09-18-01	UV
Lacinipolia renigera (Stephens)		05-16-01	UV
Lithacodia muscosula (Guenée)		08-15-01	UV
Meganola phylla (Dyar)		05-16-01	UV
Meropleon diversicolor diversicolor (Morrison)		09-20-01	UV
Nedra ramosula (Guenée)		09-19-01	UV
Ogdoconta cinereola (Guenée)		09-20-01	UV
Orthodes crennlata (Butler)		05-16-01	UV
Paectes abrostoloides (Guenée)		08-13-01	UV
Palthis angulalis (Hübner)		08-15-01	UV
Palthis asopialis (Guenée)		08-15-01	UV
Pangrapta decoralis Hübner		06-19-01	UV
Phalaenostola larentioides Grote		09-07-01	UV
Phosphila miselioides (Guenée)		06-19-01	UV
Plathypena scabra (Fabricius)		08-15-01	UV
Polygrammatě hebraeicum Hübner		05-16-01	UV
Pseudaletia unipuncta (Haworth)		08-15-01	UV
Redectis vitrea (Grote)		08-15-01	UV
Renia sobrialis (Walker)		09-19-01	UV
Renia sp. near discoloralis Guenée		08-15-01	UV
Spodoptera ornithogalli (Guenée)		08-14-01	UV
Sutyna privata teltowa (Smith)		09-19-01	UV
Tetanolita mynesalis (Walker)		08-15-01	UV
Thioptera nigrofimbria (Guenée)		08-15-01	UV
Ulolonche culea (Guenée)		05-16-01	UV
Exertia dolosa Franclemont		08-15-01	UV
Zale horrida Hübner		05-16-01	UV
Zale lunata (Drury)		08-15-01	UV
NOTODONTIDAE			
Clostera inclnsa (Hübner)		08-15-01	UV
Heterocampa obliqua Packard		06-19-01	UV
Heterocampa umbrata Walker		06-19-01	UV
Hyperaeschra georgica (Herrich-Schäffer)		05-16-01	UV
Lochmaens manteo Doubleday		08-15-01	UV
Nadata gibbosa (J. E. Smith)		05-16-01	UV
Oligocentria lignicolor (Walker)		09-07-01	UV
Peridea angulosa (J. E. Smith)		09-20-01	UV
Symmerista albifrons (J. E. Smith) complex		08-14-01	UV
NYMPHALIDAE		06 20 01	CW
Cercyonis pegala (Fabricius)*	Large wood nymph	06-29-01	SW
Cyllopsis genuna (Hübner)	Gemmed satyr	09-06-01	SW
Danaus plexippus (Linnaeus)	Monarch	09-18-01	HV
Enodia anthedon (Clark)	Northern pearly eye	09-21-01	SW
Hermeuptychia sosybins (Fabricius)	Carolina satyr	07-11-01	SW
Junonia coenia Hübner*	Buckeye	07-11-01	SW
Limenitis arthemis astyanax (Fabricius)	Red spotted purple	07-11-01	HV
Megisto cymela (Cramer)*	Little wood satyr	05-31-01	SW
Nymphalis antiopa (Linnaeus)	Mourning cloak	05-31-01	HV
Phyciodes tharos (Drury)*	Southern pearly crescentspot	07-11-01	SW
Polygonia comma (Harris)	Comma	05-31-01	HV
Satyrodes appalachia (Chermock)	Appalachian brown	06-29-01	SW
Vanessa atalanta (Linnaeus)*	Red admiral	05-31-01	HV
Vanessa cardui (Linnaeus)	Painted lady American painted lady	09-06-01 05-31-01	HV HV
Vanessa virginiensis (Drury)*			

GROUP/FAMILY SCIENTIFIC NAME	COMMON NAME	DATE FIRST OBSERVED	METHOD
LEPIDOPTERA (continued)			
PAPILIONIDAE		06.40.04	****
Papilio glaucus Rothschild & Jordan	Tiger swallowtail	06-19-01	HV
Papilio troilus (Linnaeus)	Spicebush swallowtail	08-13-01	HV
PIERIDAE			
Anthocharis midea (Hübner)	Falcate orangetip	04-19-01	SW
Colias eurytheme Boisduval	Orange sulphur	08-14-01	SW
Phoebis sennae (Linnaeus)	Cloudless giant sulphur	09-06-01	HV
SATURNIIDAE			
Dryocampa rubicunda (Fabricius)		08-15-01	UV
SPHINGIDAE			
Dolba hyloeus (Drury)		08-13-01	UV
Lapara bombycoides Walker		08-15-01	UV
Paonias excaecatus (J. E. Smith)		08-15-01	UV
ODONATA (DRAGONFLIES and DAMSE)	FLIES)		
AESHNIDAE	Er Eles)		
Anax junius (Drury)	Common green darner	06-18-01	HV
Epiaeschna heros (Fabricius)*	Swamp darner	07-11-01	SW
COENAGRIONIDAE			
Ischnura posita (Hagen)	Fragile forktail	06-29-01	SW
CORDULIIDAE			
Epitheca cynosura (Say)*	Common baskettail	04-19-01	SW
Somatochlora linearis (Hagen)*	Mocha emerald	08-16-01	SW
LIBELLULIDAE			
Celithemis elisa (Hagen)*	Calico pennant	05-31-01	SW
Erythemis simplicicollis (Say)	Eastern pondhawk	06-29-01	SW
Libellula cyanea Fabricius	White-spangled skimmer	06-29-01	SW
Libellula flavida Rambur*	Yellow-sided skimmer	06-29-01	SW
Libellula incesta Hagen	Slaty skimmer	07-11-01	SW
Libellula lydia Drury	Common whitetail	06-18-01	SW
Libellula needhami Westfall*	Needham's skimmer	09-06-01	SW
Libellula semifasciata Burmeister	Painted skimmer	06-29-01	SW
Libellula vibrans Fabricius	Great blue skimmer	06-29-01	SW
Pachydiplax longipennis (Burmeister)	Blue dasher	06-29-01	SW
Pachyaipiax longipennis (Burmeister) Pantala flavescens (Fabricius)			
	Wandering glider	09-18-01	SW
Pantala hymenaea (Say)	Spot-winged glider	08-13-01	SW
<sup>c</sup> Sympetrum vicinum (Hagen)*	Yellow-legged meadowfly	10-04-01	SW

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